

County Council of Durham

•

ANNUAL REPORT

OF THE

Medical Officer of Health

AND

OTHER RECORDS

FOR THE YEAR

1951

NORMAN WARD LTD., LOW FELL

1952



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COUNTY COUNCIL OF DURHAM.

To the Chairman and Members of the County Council of Durham.

Ladies and Gentlemen,

I submit my annual report on the health of the county and the work of the health services of the County Council for the year 1951.

Population.—The fifteenth census of the population of England and Wales was taken on the 8th April. Provisional figures have been published and these show that since the last previous census in 1931 the population of the administrative county has declined from 921,006 to 902,821 persons, a reduction of approximately 2 per cent.

Births.—The number of live births and the live birth-rate at 15,806 and 17.6 per 1,000 estimated mid-year population, again declined slightly.

Infant Mortality.—The death-rate among infants showed a slight increase on last year's rate. However, numbers of deaths from certain causes which contributed materially to the total rate (broncho pneumonia, congenital malformation, premature birth) were at an unusually low level in 1950.

Premature Births.—Statistics regarding premature births have been presented in greater detail than in previous years. Though the information is not complete in certain details, it will be seen that, on the basis of birth weight, approximately 5.2 per cent of live births were premature. Of these premature infants 40 per cent were born and nursed entirely at home while 53 per cent were born and nursed entirely in hospital. Of the former group 72 per cent and of the latter group 84 per cent survived for 28 days at least after birth. The apparent advantage enjoyed by the hospital group manifests itself almost entirely in prematurely born children of less than 4 lbs. 6 ozs. birth weight. Consideration is being given to possible measures whereby the survival rate may be increased.

Maternal and Child Welfare.—Attendances at welfare centres have fallen slightly, probably owing to the smaller number of births and the increasing facilities for care offered by general practitioners and hospitals. Two-thirds of all expectant mothers, however, attended the Council's ante-natal clinics.

Domiciliary Midwifery.—The demand on this service again showed a substantial reduction, an increasing proportion of confinements taking place in hospital.

Health Visiting.—The work of this Department has been maintained despite the difficulties which have to be met in consequence of the continuing shortage of trained health visitors.

Ambulance Service.—The demand on this service increased very slightly during the year and now shows signs of becoming stabilised.

Infectious Diseases.—There were no deaths from scarlet fever or typhoid fever, only one from diphtheria, 6 from measles and 9 from whooping cough. The incidence of diphtheria showed a further marked drop—there were only 28 cases. Measles for the fourth year in succession manifested itself as an annual epidemic peak in the late spring. This is in contrast to its behaviour in the previous years since notification was introduced in 1939 when it occurred biennially in the winter.

I am again glad to have the opportunity of expressing my gratitude to all members of the staff of the Health Department not only for assistance in the preparation of this report but for their constant help in the work of the service throughout the year.

I have the honour to be,

Ladies and Gentlemen,

Your obedient Servant,

IAN McCracken.

*County Health Department,
Shire Hall,
Durham.*

December, 1952.

STAFF OF THE COUNTY HEALTH DEPARTMENT.

COUNTY MEDICAL OFFICER OF HEALTH.

Ian McCracken, M.A., B.Sc., M.B., Ch.B., D.P.H.

DEPUTY COUNTY MEDICAL OFFICER OF HEALTH.

G. Wilson, M.B., B.S., B.Hy., D.P.H.

SENIOR WELFARE MEDICAL OFFICER.

E. S. Williamson, B.Sc., M.B., L.L.A., D.P.H.

ASSISTANT WELFARE MEDICAL OFFICERS.

M. L. Anderson, M.B., Ch.B.

J. W. Bates, M.B., B.S. (part-time).

L. R. Benham, M.B., B.S., D.P.H. (part-time).

H. Blacklay, M.B., Ch.B., D.P.H., L.M.

G. M. Cox, M.B., B.S.

M. M. Dickinson, M.R.C.S., L.R.C.P. (temporary).

P. Dixon, M.B., B.S.

P. Greenslade, M.B., B.S. (part-time).

M. E. Hegarty, M.B., B.Ch., B.A.O.

M. J. Hegarty, M.B., B.Ch., B.A.O., D.P.H.

M. K. Henegan, M.B., B.S., D.P.H.

H. Hindson, M.D., B.S. (part-time).

V. M. Merritt, M.B., B.S. (temporary).

M. F. Murray, L.R.C.P., L.R.C.S. (temporary).

M. T. McFadden, M.B., B.Ch., B.A.O., D.P.H.

M. Raw, B.Sc., M.B., B.S.

W. M. Rodgers, M.B., B.Ch., B.A.O., D.P.H. (part-time).

L. Ross, M.B., B.S. (temporary).

K. Schaps, M.D. (Heidelberg) also M.O. Hardwick Hall Maternity Home.

E. Schonberger, M.D. (Vienna).

J. Sherriffs, M.B., Ch.B.

H. W. Tonge, M.B., Ch.B. (part-time).

E. Wales, M.B., B.S.

DENTAL SURGEONS—PART-TIME AT WELFARE CENTRES.

W. Moss, L.D.S.

T. H. Smailes, L.D.S.

S. Todd, L.D.S.

AREA MEDICAL OFFICERS (part-time).

Area No. 3. S. Ludkin, M.B., B.S., D.P.H.

Area No. 5. L. A. M. Johnston, B.Sc., M.B., Ch.B., D.P.H.

Area No. 7. W. Aitchison, M.C., M.A., B. Sc., M.B., Ch.B., D.T.M. & H., D.P.H.

Area No. 9. J. G. Paley, M.R.C.S., L.R.C.P., D.P.H.

Area No. 10. H. G. Donald, M.B., Ch.B., D.P.H.

Area No. 11. M. W. Rodgers, M.B., B.Ch., B.A.O., D.P.H.

Area No. 12. H. J. Peters, M.B., B.Hy., D.P.H., D.P.A.

COUNTY ANALYST (PART-TIME).

C. J. H. Stock, B.Sc., F.R.I.C.

COUNTY HEALTH INSPECTOR.

T. S. Yarrow, C.R.S.I., M.S.I.A. (appointed 2/7/51).

SUPERINTENDENT HEALTH VISITOR.

Miss A. Fraser.

DEPUTY SUPERINTENDENT HEALTH VISITORS.

Miss M. Grav.

Miss E. Rutherford.

HEALTH VISITORS.

The establishment of health visitors is 140. On the 31st December there were 100 health visitors on the staff (including 14 temporary health visitors) and the following summary shows the qualifications possessed by them.

Supt. Health Visitor possesses		}	1 Ministry of Health
qualifications number	1, 3, 4		Certificate for Health
1 Dep. Supt. Health Visitor	„ 1, 3, 4		Visitors.
1 Dep. Supt. Health Visitor	„ 1, 3, 4		2 Sanitary Inspectors'
70 Health Visitors	„ 1, 3, 4		Certificate (Royal
25 „ „	„ 1, 3a, 4	}	Sanitary Institute).
1 „ „	„ 2, 3		3 Certificate of Central
3 „ „	„ 3, 4		Midwives Board.
1 „ „	„ 4		3a do. Part I only
			4 State Registered
			Nurse.

COUNTY MIDWIVES INSPECTOR.

Miss K. Furness (Qualifications, 1, 3, 4).

ASSISTANT COUNTY MIDWIVES INSPECTORS.

Miss H. P. Robson (Qualifications 3, 4.)

Miss N. Dodds (, , 3, 4.)

DOMICILIARY MIDWIVES.

The establishment of midwives is 171, and on the 31st December there were 137 midwives on the staff. In addition, there were 62 nurse-midwives employed by the County Nursing Association.

WEIGHTS AND MEASURES INSPECTORS, WHO ALSO ACT AS FOOD AND DRUGS SAMPLING OFFICERS.

A. Graham (Chief).

J. Trotter, B.Sc. (Deputy).

C. Bateson.

T. Lamb.

R. A. Morrison.

E. G. Pickering.

J. H. Routledge.

E. Rowland.

D. H. Seaton.

I. A. Sharman.

J. W. Simpson.

G. W. Woods,

NURSERIES.

5 Matrons, 53 Nursing and 16 Domestic Staff.

MENTAL HEALTH.

7 Duly Authorised Officers.
1 Social Worker.

DOMESTIC HELP SERVICE.

1 Organiser. 12 Assistant organisers.

BLIND PERSONS.

16 Home Teachers.

CONTACT TRACING.

1 Social Worker.

AMBULANCE SERVICE.

Ambulance Officer.
Assistant Staff Officer.
Maintenance Officer.
270 Driver-Attendants.
30 Clerk-Telephonists.

STATISTICS.

Area (Census 8th April, 1951)	620,869 acres
Registrar-General's estimate of population, mid-1951	898,600
Rateable value as at the 1st April, 1951	£4,028,038
Sum represented by a penny rate	£15,156

		<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Live Births	{ Legitimate	15,337	7,876	7,461
	{ Illegitimate	469	244	225
Stillbirths	{ Legitimate	395	206	189
	{ Illegitimate	15	10	5
Total births (live and still)		16,216	8,336	7,880

Birth Rate per 1,000 estimated population mid-1951	17.6
Still-birth Rate per 1,000 total (live and still) births	25.3
Number of Deaths	11,101
Death Rate per 1,000 estimated average population	12.4
Deaths from puerperal causes.—	

	<i>Deaths</i>	<i>Rate per 1,000 total (Live and still) births.</i>
Puerperal Sepsis	4	0.25
Other puerperal causes	18	1.11
Total	22	1.36

Death Rate of Infants under one year of age:—

All infants per 1,000 live births	....	42
Legitimate infants per 1,000 legitimate live births	.....	42
Illegitimate infants per 1,000 illegitimate live births		64

Deaths and Death Rates from:—

	<i>No. of Deaths.</i>	<i>Rate per 1,000 estimated average population.</i>
Cancer	1,687	1.88
Measles	6	0.01
Whooping Cough	9	0.01
Diarrhoea (under 2 years of age)	32	0.04
Scarlet Fever	—	—
Diphtheria	1	0.001
Typhoid and Paratyphoid	—	—

BOUNDARY CHANGES.

On the 1st April, 1951, parts of the parishes of Hylton, Ford, Herrington and Silksworth in the Sunderland Rural District, comprising 1,632 acres, were transferred to the Sunderland County Borough; while part of the Boldon Urban District, 760 acres in area, was transferred to the South Shields County Borough.

BACTERIOLOGICAL LABORATORY FACILITIES.

The Medical Research Council, acting on behalf of the Ministry of Health, continue to be responsible for the administration of the public health laboratory service.

The laboratory situated at the Government Buildings, Ponteland Road, Newcastle-on-Tyne, undertakes all examinations for the County of Durham.

Table 1 shows the number of specimens submitted for examination.

TREATMENT CENTRES and CLINICS.

Maternity and Child Welfare Centres.—The number of welfare centres at the end of the year was 90.

Dental Clinics.—Four clinics were in operation during the year, and in addition the school dental officers in Stockton-on-Tees, treated some children under 5 years.

Ante-Natal Clinics.—Sessions were being held at 86 centres at the end of the year.

Post-Natal Clinics.—At the end of the year the number of centres at which post-natal sessions were held had decreased to 27. At centres where numbers do not justify special sessions, advice is given at ante-natal clinics.

	General Practitioners.	Hospitals.	Chest Clinics and Sanatoria.	School Medical Officers.	Sanitary Insp.	TOTAL.
<i>Swabs for :</i>						
Diphtheria	247	23	1	18	26	315
Haem. streptococci	64	26	—	31	34	155
Vincent's Angina	3	—	—	—	—	3
Organisms	109	65	1	12	35	222
<i>Blood for :</i>						
Widal examination	9	1	—	—	10	20
Culture and misc. exam.	2	4	—	—	—	6
<i>Sputum for :</i>						
Tubercle bacilli	203	—	4,545	—	—	4,748
Organisms	7	—	22	—	—	29
<i>C.S. Fluid for :</i>						
General Exam.	—	2	—	—	—	2
<i>Pus and other Fluids for :</i>						
Organisms	5	1	—	—	—	6
<i>Faeces for :</i>						
Enteric, Dysentery, Food Poisoning, etc.	4	2	—	—	—	10
Organisms	1,213	73	—	1	803	2,090
<i>Urine for :</i>						
Enteric	2	19	—	—	5	26
Organisms	9	9	—	2	—	20
Tubercle bacilli	—	—	18	—	—	18
<i>Water for :</i>						
Coliform organisms	—	—	—	—	540	540
<i>Ice Cream for :</i>						
Methylene blue test	—	—	—	—	587	587
<i>Milk for :</i>						
Methylene blue test	—	—	—	—	89	89
Meth. blue & phosphatase	—	—	—	—	303	303
M.blue, phost. & B. Coli.	—	—	—	—	33	33
M.blue, phost & tur. bac.	—	—	—	—	21	21
M blue & turbidity	—	—	—	—	—	—
M blue & B. Coli	—	—	—	—	68	68
Turbidity	—	—	—	—	24	24
<i>Miscellaneous for :</i>						
Pathogens	1	—	—	—	36	37
<i>ANIMAL INOCULATION.</i>						
Diphtheria swabs for virulence	4	5	—	—	2	11
<i>Milk for tubercle bacilli</i>	—	—	—	—	76	76
<i>Miscellaneous for tubercle bacilli</i>	6	—	199	—	—	205
TOTALS	1,888	230	4,786	64	2,696	9,664



Birth Control Clinics.—Advice was given at 22 centres.

Nurseries.—Five day nurseries are in use but there is a demand for additional accommodation in several districts. The administration of Birtley residential nursery was transferred to the Children Committee, on the 1st February.

Artificial Sunlight Clinics.—The number of centres using ultra-violet ray lamps at the end of the year was 31.

NURSING HOMES.

During the year no applications were made to the County Council under section 194 of the Public Health Act, 1936, for the delegation of their powers to district councils. The maternity and nursing homes were periodically inspected.

REGISTERED NURSING HOMES.

<i>Name and address.</i>	<i>Description.</i>
St. Monnica's, 60 North Bondgate, Bishop Auckland.	Maternity.
Barton House, Yarm Road, Stockton-on-Tees.	Maternity and general.
Rosemount, 32, Bede Road, Barnard Castle.	Maternity and general.
Percy House, Neville's Cross, Durham.	Aged, infirm and border- line mental cases.
Broadmeadows Manor <i>nr</i> Castleside	General, chronic, aged and infirm.
Rockcliffe Park, Hurworth-on-Tees, (annexe to Hospital of St. John of God, Scorton).	Chronic sick (males.)

The certificate of exemption from registration under the Public Health Act, 1936, in respect of "Wayside" West Boldon, was again renewed for one year.

HEALTH CENTRES.

The prospect of any general provision of health centres in the county has not improved. Few experimental centres have been provided anywhere and progress in the acquisition of experience of the type of provision which will be most satisfactory is likely to be slower than was anticipated.

At present it appears that health centre provision may be restricted to new towns and will be developed in stages as the towns grow up. There are two new towns in the county at Newton Aycliffe and Peterlee.

CARE OF MOTHERS AND YOUNG CHILDREN.

Centres.—Of the 90 welfare centres in the administrative county 38 are held in premises owned or wholly rented by the County Council, the remaining centres being held in premises, such as church halls, on a rental basis.

Owing to the termination of the tenancy agreement it became necessary in March to close temporarily Ferryhill Centre and Swalwell Centre was discontinued in September because of the small number of attendances. Middleton-St.-George Centre was re-opened on 18th June.

Table 2 shows the aggregate attendances at the welfare centres during the year and Table 3 the attendances at each welfare centre.

TABLE 2.

	Babies and Children's Sessions.			Ante-Natal Sessions.
	Under 1 year.	1 and under 3 years.	3 and under 5 years.	
No. on books	8,248	10,824	5,641	10,808
Attendances	82,787	29,596	11,638	47,869
Average attendances per session	17	7	3	11
Consultations	57,334	21,414	8,348	47,208
Average consultations per session	14	6	2	11

Compared with 1950 the number of children on the books under 1 year and between the ages of 1 and 3 decreased by 116 and 493 respectively. In the 3—5 age group there was an increase of 502 in the numbers attending and 1,614 in the attendances made.

The following statement gives the attendances of mothers from the county maternity and child welfare area centres outside the area.—

	<i>Mothers.</i>	<i>Attendances.</i>
Darlington	169	600
Gateshead	79	181
South Shields	32	91
Sunderland	58	239
West Hartlepool	28	121
Yarm and Eaglescliffe	127	322
Totals	493	1,554

Ante-Natal Clinics.—During the year 10,808 expectant mothers attended the clinics compared with 11,662 in 1950. The decrease in

TABLE OF ATTENDANCES OF MOTHERS AND INFANTS AT CHILD WELFARE CENTRES.

CENTRES.	Attendance.				Consultations.			
	No. on Books from 1.1.51.		Number		Average per Session		Number	
	Children		Children		Children		Children	
	Expectant Mothers	Under 1 year.	Between 1-3 years	Between 3-5 years	Expectant Mothers	Under 1 year	Between 1-3 years	Between 3-5 years
Area No. 1.								
Blaydon	106	64	129	106	566	657	360	203
Chopwell	122	77	98	100	615	481	201	138
Dunston	194	119	161	116	894	1152	490	241
Marley Hill	29	45	41	33	121	359	100	57
Rowlands Gill	137	91	112	65	582	843	270	101
Ryton	160	141	177	96	784	1341	472	174
*Swalwell	43	29	25	16	142	139	76	26
Whickham	31	33	72	28	120	522	209	54
Winlaton	195	140	200	123	625	1043	321	164
	1017	739	1015	683	4449	6536	2509	1158
Area No. 2.								
Felling	307	156	192	120	1172	1180	384	150
Hebburn	310	168	208	82	1541	1794	475	169
Jarrow	126	200	246	159	859	1986	621	294
Gordon House					431			
Walter Street	992	524	646	361	4003	4960	1430	613
Area No. 3.								
Annfield Plain	175	80	100	48	695	840	237	61
Burnhope	34	29	41	14	150	315	84	17
Burnopfield	63	60	83	43	305	735	364	53
Consett	258	184	304	171	1064	1760	542	216
Craghead	98	43	58	16	412	408	90	19
Dipton	99	52	53	6	423	522	105	3
Lanchester	53	41	43	20	246	380	135	43
Langley Park	81	66	90	38	353	672	219	61
Shooley Bridge	81	66	90	46	326	596	350	85
South Moor	72	42	52	24	254	377	102	39
Tanfield Lea	60	32	41	26	243	258	137	68
West Stanley	185	98	126	68	750	989	349	119
	1259	793	1071	520	5221	7852	2714	784
Area No. 4.								
Birtley	223	98	141	89	948	782	328	144
Chester-le-Street	316	203	275	157	2037	1710	588	278
Grange Villa	90	95	142	103	380	898	300	114
Sacriston	792	470	633	376	3811	3899	1370	573
Area No. 5.								
Boldon	71	91	76	14	259	666	120	11
Castletown	48	42	76	38	216	438	266	63
Hetton	224	141	145	53	1031	1126	293	81
Houghton-le-Spring	222	136	211	90	1033	1009	375	156
New Herrington	227	154	211	99	1088	1494	492	168
Ryhope	89	87	90	28	343	731	240	33
Silksworth	56	117	158	54	228	1488	518	101
South Hyton	24	45	55	28	90	412	158	32
Washington	310	154	239	130	1272	1166	415	128
Whitburn	76	56	92	55	403	770	368	145
	1347	1023	1323	590	5963	9300	3245	918
Area No. 6.								
Crook	166	91	142	135	765	735	334	191
Page Bank	28	20	43	16	134	216	153	33
Stanhope	25	21	33	29	92	122	121	63
St. John's Chapel	11	8	21	18	21	70	70	56
Tow Law	66	37	52	22	345	330	144	43
Willington	82	83	109	58	344	682	276	120
Wolsingham	9	23	40	22	36	139	205	73
Wooley Terrace	19	19	31	34	58	151	70	58
	406	302	471	334	1795	2455	1373	637
Area No. 7.								
Belmont	60	35	39	7	297	244	111	8
Braxton	262	98	140	56	1426	872	331	98
Coxhoe	207	115	144	88	1033	1063	418	161
Durham	221	138	235	145	1200	1644	875	388
Esh Winning	167	108	145	65	717	885	323	76
Gilesgate	43	45	71	21	207	443	168	35
Sherburn Hill	51	50	57	20	262	425	222	32
	1011	589	831	402	5142	5576	2448	798
Area No. 8.								
Blackhall	17	82	118	109	56	866	341	182
Easington	209	105	110	54	840	792	153	56
Horden	68	108	153	59	325	1351	338	65
Murton	198	133	203	95	1143	1333	552	135
Seaham Harbour	333	211	323	126	1610	1985	671	154
Shotton	164	112	117	33	752	974	156	39
South Hetton	58	41	63	27	274	371	126	39
Thornley	58	60	70	38	275	512	239	82
Wheatley Hill	84	59	89	58	408	560	335	186
Wingate	62	76	122	32	215	679	276	42
	1251	987	1368	631	5898	9443	3187	974
Area No. 9.								
Barnard Castle	25	51	103	91	108	497	350	262
Butterknowle	33	23	21	19	82	134	77	60
Cockfield	24	30	32	17	118	209	84	40
Middleton-in-Teesdale	21	27	58	69	119	299	329	198
Standrop	24	25	49	56	95	317	183	154
	137	156	263	252	522	1456	1023	714
Area No. 10.								
Bishop Auckland	312	124	190	140	1613	1210	594	298
Coundon	125	78	79	32	549	538	82	38
Eldon	131	52	64	27	634	488	200	60
Shildon	186	84	148	82	1072	823	382	259
Spennymoor	332	207	245	66	1723	1804	602	154
West Auckland	128	100	139	108	628	759	334	199
Writton Park	96	41	64	29	430	337	148	52
	1310	686	929	484	6649	5959	2342	1060
Area No. 11.								
Billingham	225	176	233	117	1154	2017	725	260
Chilton	127	99	77	13	504	564	111	17
Ferryhill	100	110	49	15	232	260	43	15
Fishburn	49	34	52	24	238	310	133	49
Hartlepool	127	137	171	49	235	2098	494	102
Frederick Street	36	101	123	37	67	1413	369	83
West View	107	111	138	49	399	977	284	107
Haverton Hill	2	28	36	23	3	193	104	64
†Middleton-St-George	80	52	83	56	345	504	204	109
Sedgefield	135	89	116	52	500	792	217	61
Trimdon	988	937	1078	435	3707	9174	2684	867
	2983	1042	1196	573	7093	16177	5271	2542
Area No. 12.								
Stockton	102	8248	10824	5641	47869	82787	29596	11638
R.M.H. Bowesfield Lane								
Browns Bridge					240	2519	851	455
Eastbourne Hall						1395	493	374
Norton Green						4302	1367	697
Norton Road						71	469	2009
St. Annes Ter., Portrack						112	98	37
Woodlands, Yarm Lane						319	390	161
	2983	1042	1196	573	7093	16177	5271	2542
TOTALS								
	10808	8248	10824	5641	47869	82787	29596	11638

† Re-opened 18.6.51

* Discontinued 30.9.51.

† Closed temporarily March 1951.

attendances may be accounted for by the increase in the amount of ante-natal supervision now given by general medical practitioners and to the lack of home visiting due to the shortage of health visitors, together with the fall in the birth-rate.

The following is an analysis of some features of 10,316 of these cases.—

Duration of Pregnancy at first attendance.

Under 3 months	1,769
3-6 months	5,618
6-9 months	2,929
Total	<u>10,316</u>

Age of Patients.

Under 20 years	640
20-25 years	4,081
26-30 years	3,169
31-35 years	1,574
36-40 years	694
41-45 years	156
46-50 years	2
Total	<u>10,316</u>

Number of Pregnancy.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3,885	3,182	1,627	808	354	197	112	58	42	23	13	8	4	2	1
Total.—10,316														

Health of Mothers.

Poor	Moderate	Good.	Total.
595	2,026	7,695	10,316

Nature of Confinement.

(a) Normal	6,522
(b) Abnormal	
Instrumental	246
Induction	102
Caesarian	86
Malpresentation	123
Other abnormalities	63
A. P. haemorrhage	41
P. P. haemorrhage	60
Prolonged labour	
Disproportion	8
Inertia	8
Died undelivered	2
	<u>739</u>
Left district	245
Not yet delivered	2,900
	<u>3,145</u>
	<u>*10,406</u>

Results.

Full time live births	6,690	
Full time still births	108	
Premature live births	296	
Premature still births	63	
Abortions	102	
Died undelivered	2	
		7,261
Left district	245	
Not yet delivered	2,900	
		3,145
		*10,406

* includes 90 twins.

Place of confinement.

(a) In hospitals			3,297
(b) At home			
Doctor	91		
Midwife	3,138		
Doctor & Midwife	547		
B.B.A.	96		
Died undelivered	2		
			3,874
Left district	245		
Not yet delivered	2,900		
			3,145
			10,316

Abnormal conditions found at ante-natal examinations.—

Anaemia	1,257	Albuminuria plus raised blood pressure	215
Dyspepsia	330	Albuminuria	188
Dental caries	2,142	Venereal disease	24
Cardiac (a) Functional	331	Varicose veins	1,865
(b) Organic	231	Haemorrhoids	726
Placenta praevia	21	Constipation	2,213
Respiratory disease	197	Toxic ante-partum haemorrhage	51
Tuberculosis	60	Some degree of pelvic contraction (a) Minor	276
Raised blood pressure	730	(b) Major	522
Nephritis	15	Other conditions	774
Chronic nephritis	1		
Non-venereal discharges	1,264		
Persistent vomiting	448		
Malpresentation			
(a) Rectified	382		
(b) Persistent	74		

Post-Natal Clinics.—Special sessions were held at 28 centres. Table 4 shows the numbers of mothers on the books and the attendances made by them. The numbers of mothers attending post-natal clinics compared with the numbers attending ante-natal clinics is small. In addition to 1,442 mothers who attended the special sessions 170 were examined post-natally at ante-natal clinics.

Birth Control Clinics.—Advice was given at 22 centres and Table 5 shows numbers and attendances made during the year. The numbers attending increased by 202 to 1,546 and the attendances by 327 to 2,489.

<i>Area No. 1.</i>	<i>Register</i>	<i>ances</i>	<i>Area No. 6.</i>	<i>Register</i>	<i>ances</i>
Blaydon & Winlaton	61	77	Crook	26	27
Chopwell	33	37	Willington	20	21
Dunston	63	146			
Ryton	43	54		46	48
	200	314			
<i>Area No. 2.</i>			<i>Area No. 7.</i>		
Felling	41	54	Brandon	39	57
Hebburn	43	69	Coxhoe	54	70
			Durham	121	307
				214	434
<i>Area No. 3.</i>			<i>Area No. 8.</i>		
Consett	84	123	Easington	49	55
West Stanley & South Moor			Murton	64	83
	103	123	Seaham Harbour	81	100
	37	44	Wingate	7	7
	140	167		201	245
<i>Area No. 4.</i>			<i>Area No. 10.</i>		
Birtley	13	20	Bishop Auckland	129	167
Chester-le-Street	58	155	Coundon	23	24
			Spennymoor	14	62
			West Auckland	21	29
	71	175		187	282
<i>Area No. 5.</i>			<i>Area No. 11 .</i>		
Hetton	69	72	Billingham	64	92
Houghton-le-Spring	60	81	*Ferryhill	16	19
Washington	90	132		80	111
	219	285		1442	2184
			TOTALS		

*Closed temporarily March, 1951.

TABLE 5.

BIRTH CONTROL CLINICS.—No. on Books and Attendances, 1951.

	No. on Register	Attend- ances		No. on Register	Attend- ances
<i>Area No. 1.</i>			<i>Area No. 7.</i>		
Blaydon & Winlaton	152	272	Coxhoe	28	46
Chopwell	33	42	Durham	147	239
Dunston	59	101		175	285
	244	415			
<i>Area No. 2.</i>			<i>Area No. 8.</i>		
Felling	70	84	Easington	22	29
Jarrow (Walter Street)	93	132	Murton	29	40
	163	216	Seaham Harbour	46	66
			Wingate	14	16
<i>Area No. 3.</i>				111	151
Consett	144	236			
West Stanley & South Moor	80	145	<i>Area No. 10.</i>		
	224	381	Bishop Auckland	142	287
			Spennymoor	20	73
<i>Area No. 4.</i>				162	360
Birtley	34	43			
Chester-le-Street	77	85	<i>Area No. 11.</i>		
	111	128	Billingham	70	98
			Hartlepool	127	227
<i>Area No. 5.</i>				197	325
Hetton	32	45			
Houghton-le-Spring	59	88			
Washington	68	95			
			TOTALS	1546	2489

TABLE 6.

(a) Numbers provided with dental care.

CLINIC.	Expectant and Nursing Mothers.					Children under Five.				
	Examined	Needing treatment	Treated	Made dentally fit	Examined	Needing treatment	Treated	Made dentally fit		
Bishop Auckland	38	38	28	28	57	50	39	39		
Durham	18	16	16	10	38	36	36	31		
Horden	7	7	7	7	30	30	30	30		
Houghton-le-Spring	22	22	22	22	54	54	54	54		
Stockton	—	—	—	—	46	44	42	42		
TOTALS	85	83	73	67	225	214	201	196		

(b) Forms of Dental treatment provided.

CLINIC.	EXPECTANT AND NURSING MOTHERS.										CHILDREN UNDER FIVE.									
	Extractions	Anaesthetics		Fillings	Scalings or Gum treatment	Silver Nitrate Treatment	Dressings	Radiographs	Dentures Provided.		Extractions	Anaesthetics		Fillings	Scalings or Gum treatment	Silver Nitrate Treatment	Dressings	Radiographs	Dentures Provided	
		Local	General						Compl- ete	Partial		Local	General							
Bishop Auckland	25	25	—	15	2	—	—	—	—	1	58	—	23	7	—	—	—	—	—	—
Durham	36	16	—	—	1	—	—	—	—	—	60	30	—	—	—	56	—	—	—	—
Horden	14	7	—	1	—	—	—	—	—	—	15	12	—	3	—	18	1	—	—	—
Houghton-le-Spring	19	19	—	—	3	—	—	—	—	—	31	25	—	4	2	46	—	—	—	—
Stockton	—	—	—	—	—	—	—	—	—	—	34	6	14	13	—	—	28	—	—	—
TOTALS	94	67	—	16	6	—	—	—	—	1	198	73	37	27	2	120	29	—	—	—

NOTE : Facilities for X-ray examinations are available at certain of the hospitals in the County.

Patients requiring dentures are advised to consult private practitioners as there are no facilities available within the maternity and child welfare services.

TABLE 7.

ARTIFICIAL SUNLIGHT CLINICS, 1951.

CENTRE	NO. ON BOOKS FROM 1.1.51	ATTENDANCES	AVERAGE ATTENDANCE PER SESSION	NO. OF SESSIONS HELD	CENTRE	NO. ON BOOKS FROM 1.1.51	ATTENDANCES	AVERAGE ATTENDANCE PER SESSION	NO. OF SESSIONS HELD
<i>Area No. 1.</i> Blaydon Blaydon (Kromayer Lamp) Chopwell Dunston	263 36 124 233	3419 261 1157 2252	35 3 15 23	97 — 76 98	<i>Area No. 6.</i> Crook	118	1421	14	99
	656	7039	26	271	<i>Area No. 7.</i> Coxhoe Durham	155 249	2246 2549	22 34	100 74
<i>Area No. 2.</i> Felling Hebburn Jarrow	198 209 247	2046 2401 2225	21 24 23	97 100 97		404	4795	28	174
	654	6672	23	294	<i>Area No. 8.</i> Horden *Murton Seaham Harbour †Shotton Wheatley Hill Wingate	173 91 193 — 116 113	2150 970 2521 — 2319 1402	28 10 25 — 27 19	78 100 101 — 86 72
<i>Area No. 3.</i> Annfield Plain Consett West Stanley	71 136 151	901 1519 1823	12 15 24	76 101 75		686	9362	22	437
	358	4243	17	252	<i>Area No. 10.</i> Bishop Auckland †Shildon Spennymoor	183 113 171	2412 1562 1927	25 26 25	95 59 77
<i>Area No. 4.</i> Birtley Chester-le-Street	117 163	1530 2380	15 25	100 97		467	5901	25	231
	280	3910	20	197	<i>Area No. 11.</i> Billingham Ferryhill Hartlepool Frederic Street	230 48 51	3457 351 383	35 21 8	100 17 50
<i>Area No. 5.</i> Baldon Hetton Houghton-le-Spring Silksworth Washington	69 169 198 127 189	721 2224 2509 1538 2251	8 27 26 21 23	94 82 97 75 97		329	4191	21	167
	752	9243	21	445	<i>Area No. 12.</i> Norton Road	115	1861	19	98
					TOTALS	4819	58688	22	2665

† Closed January.

* Opened January.

† Opened May.

Dental Treatment.—Dental treatment for expectant and nursing mothers and young children continued to be available at the following four centres.—Bishop Auckland, Durham and Houghton-le-Spring (one session every fortnight) and Horden (one session every month).

These services continue to be undertaken by Messrs. W. Moss, T. H. Smailes and S. Todd, private practitioners, on a sessional basis. In addition, young children are treated by the school dental officers in the Excepted Area of Stockton-on-Tees. Details of the work done are given in Table 6.

The suggestion made in Ministry of Health Circular 118/47 to which reference has been made in the last two reports, that steps be taken to secure joint usage with the Education Committee of the resources of the school dental service, remains the most desirable method of providing systematic dental examination and treatment of expectant and nursing mothers and young children. Unfortunately however, the resources of the school dental service remain below strength and in consequence it is not yet possible to arrange any assistance for the maternity and child welfare service.

Changes have, however, been made in the National Health Service Regulations and these changes, combined with the acceptance of a nationally negotiated scale, may make the Local Government Service more attractive to dental practitioners, and it is hoped render it possible to give practical effect to the suggestion of the Ministry.

Artificial Sunlight Clinics.—Two clinics were opened and one closed leaving a total of 31 at the end of the year. Attendances increased by 4,017 to 58,688 and numbers attending by 26 to 4,793. Details are shown in Table 7.

E. F. Peile Home, Shotley Bridge.—This convalescent home for mothers and babies is administered by the County Council. During the year 125 mothers, 132 babies and 218 children were admitted. The average duration of stay of these cases was 17 days for mothers and babies and 30 days for children.

Dental treatment was provided at the Home as follows.—

No. of sessions	.....	.....	.....	.....	19
Attendances made by mothers	.....	.....	.....	.....	97
Attendances made by children	.....	.....	.....	.....	143
Extractions for mothers	.....	.....	.....	.....	12
Scalings for mothers	.....	.....	.....	.....	20
Examinations for mothers	.....	.....	.....	.....	97
Examinations for children	.....	.....	.....	.....	143

Nurseries.—Table 8 shows the accommodation available in each nursery together with the average daily attendances.

TABLE 8.

Nurseries.---

Nursery.	Number of Places.		Average Attendances.	
	Day	Night	Day	Night
*Birtley	60	48	56	56
Haverton Hill	40	—	34	—
Hebburn	80	—	69	—
Stockton.—				
(a) Durham Road	60	—	46	—
(b) Lorne Terrace	30	—	27	—
(c) Norton Road	60	—	47	—

* Transferred to Children Committee on 1st February.

Cases of Squint.—Treatment was provided for 212 cases compared with 192 in 1950.

County Federation of Voluntary Workers.—Five meetings were held during the year. The Federation Convalescent Scheme defrayed the cost of a period in a Convalescent Home for 17 mothers and children.

Homes or Hostels for Unmarried Mothers and their Babies.—A Hostel at Ramside, Belmont, near Durham, and St. Monnica's Home at Bishop Auckland, for unmarried mothers and their babies, are administered by the Durham Diocesan Moral Welfare Association, the County Council making grants annually towards their maintenance. Table 9 gives certain information in connection with these institutions.

TABLE 9.

NAME.	Admiss- ions	Beds	Matern- ity Beds	Labour Beds	Cots	Average Length	
						Ante-Natal	Post-Natal
St. Monnica's Home Bishop Auckland	19	—	10	2	10	1 month	1 month
Ramside Hostel near Durham	37	16	—	—	16	6 weeks	6 weeks

DOMICILIARY MIDWIFERY SERVICE.

The total number of midwives who gave notice of intention to practise in the administrative county during the year was 349, which included County Council wholetime midwives (158), district nurse-midwives (78), midwives employed in hospitals (105) and those engaged in private practice (8). At the end of the year 137 wholetime domiciliary midwives were employed by the County Council and 62 district nurse-midwives by the County Nursing Association. Owing to the decreasing birth-rate and to the increasing number of hospital confinements it has not been necessary to fill some of the vacancies created by retirements or to attempt to make new appointments to reach the full establishment of 171 directly employed wholetime domiciliary midwives.

The following is a summary of the work done.—

TABLE 10.

	CASES ATTENDED		
	As MIDWIVES	As MATERN- ITY NURSES	After Discharge From Hospital and Before Fourteenth Day
County Midwives	5,663	1,799	532
District Nurse-midwives employed by County Nurs- ing Association	1,595	474	230
Midwives in private practice	62	20	—
TOTAL	7,320	2,293	762

County midwives are instructed to travel in the ambulance with any patient being conveyed to hospital when in labour.

The midwives requisitioned medical help on 1,949 occasions, and the following statement gives particulars as to the reasons for so doing.—

1.	Ante-natal examination—general	4
2.	Ante-natal examination—possible venereal disease	1
3.	Ante-natal examination—albuminuria	72
4.	Eclampsia, fits, convulsions—maternal	2
5.	Miscarriage	122
6.	Threatened miscarriage	91
7.	Ante-partum haemorrhage	95
8.	Post-partum haemorrhage	65
9.	Placenta praevia	5
10.	Retained or adherent placenta or membranes	52
11.	Contracted pelvis, disproportion between child and pelvic outlet	16

12.	Malpresentation	78
13.	Prolonged or delayed labour, uterine inertia	225
14.	Mammary inflammation, varicose veins, cardiac weakness, weakness during puerperium, etc.	50
15.	Stillbirth	8
16.	Ruptured perineum	646
17.	Premature birth	49
18.	Rise in temperature	54
19.	Mental condition during pregnancy and parturition	1
20.	Feebleness of child. Illness of child	96
21.	Phimosis, tongue tie, suspicious eruptions on skin of baby, and umbilical conditions	19
22.	Marked congenital malformation	26
23.	Inflammation of child's eyes	52
24.	Condition of mother ill-defined	14
25.	Condition of baby ill-defined	14
26.	Midwife in attendance at another case	3
27.	Precipitate labour	3
28.	Death of baby	3
29.	Other conditions	83

In addition to the notifications of sending for medical help, the following notifications were received from midwives.—

Stillbirths	111
Death of mother	12
Death of child	105
Artificial feeding	421
Laying out the dead	31
Liability to be a source of infection	92

With regard to the 54 cases in which medical help was requisitioned on account of rise of temperature, 15 were subsequently notified as puerperal pyrexia, and 10 of these received in-patient hospital treatment.

Of the 52 cases of inflammation of the eyes, 5 were notified as ophthalmia neonatorum and 1 received hospital treatment.

Maternity outfits are available free of charge for all domiciliary confinements and the number issued during the year was 7,251.

At the end of the year 133 wholetime midwives and 58 nurse-midwives had received the necessary training in gas and air analgesia and 191 had been supplied with the necessary apparatus. The number of cases in which gas and air was administered was 3,187.

Arrangements have been made whereby county midwives attend the General Hospital, Newcastle-on-Tyne, for a period of one month for post-certificate courses.

PREMATURITY, STILLBIRTHS AND ABORTIONS.

The following tables give details of premature infants, stillbirths, and abortions during 1951.—

TABLE 11.

PREMATURE INFANTS (*i.e.* 5½ lbs. or less at birth, irrespective of period of gestation).

Number of premature live infants born at home whose period of gestation was :

(a) 28 weeks and over 309 (b) Less than 28 weeks 25

Number of premature live infants born in *private nursing homes whose period of gestation was :

(a) 28 weeks and over 14 (b) Less than 28 weeks Nil.

STILLBIRTHS AND ABORTIONS.

Number of :

(a) stillbirths at home : { over 5½ lbs. 77
5½ lbs. or less 88 (b) abortions at home of 18—28 weeks gestation 114

Number of :

(a) stillbirths in *private nursing homes { over 5½ lbs. 3
5½ lbs. or less — (b) abortions in *private nursing homes of 18—28 weeks gestation 3

Weights in lbs. oz. or grammes	Stillbirths and abortions (of 18-28 weeks gestation only) where the foetus was 5½ lbs. or less	Premature infants born alive at home						*Premature infants born alive in private nursing homes					
		Transferred to Hosp.	Nursed entirely at home					Transferred to Hosp.	Nursed entirely in private nursing home				
			Died in first 24 hrs.	Died on 2nd to 7th day	Died on 8th to 28th day	Survived 28 days	Total		Died in first 24 hrs.	Died on 2nd to 7th day	Died on 8th to 28th day	Survived 28 days	Total
2 lbs. 3 oz. or less (1,000 gms. or less)	88	5	9	3	—	1	18	—	—	—	—	1	1
Over 2 lbs. 3 oz. up to and including 3 lbs. 4 oz. (Over 1,000 gms. up to and including 1,500 gms.)	41	8	14	2	1	7	32	—	—	—	—	—	—
Over 3 lbs. 4 oz. up to and including 4 lbs. 6 oz. (Over 1,500 gms. up to and including 2,000 gms.)	28	21	10	5	—	40	76	—	—	—	—	2	2
Over 4 lbs. 6 oz. up to and including 4 lbs. 15 oz. (Over 2,000 gms. up to and including 2,250 gms.)	14	1	3	2	—	51	57	1	—	—	—	3	4
Over 4 lbs. 15 oz. up to and including 5 lbs. 8 oz. (Over 2,250 gms. up to and including 2,500 gms.)	31	2	3	3	—	143	151	—	—	—	1	6	7
TOTALS	202	37	39	15	1	242	334	1	—	—	1	12	14

* "Private nursing home" includes maternity homes not in the National Health Service and any Mother and Baby Home where the women are confined in the Home.

In addition *444 premature babies as detailed in the following table, whose mothers resided in this county, were born in maternity homes and hospitals in the National Health Service.

TABLE 12.

Weight	Died in 1st 24 hrs.	Died on 2nd to 7th day.	Died on 8th to 28th day.	Sur- vived 28 days.	TOTAL.
2 lbs. 3 oz. or less	8	6	—	2	16
Over 2 lbs. 3 oz. up to and including 3 lbs. 4 ozs.	6	7	2	14	29
Over 3 lbs. 4 ozs. up to & including 4 lbs. 6 ozs.	5	12	6	60	83
Over 4 lbs. 6 ozs. up to & including 4 lbs. 15 ozs.	5	2	1	92	100
Over 4 lbs. 15 ozs. up to & including 5 lbs. 8 ozs.	3	2	3	172	180
TOTALS	27	29	12	340	*408

* 36 infants not weighed.

In accordance with the recommendations of the Ministry of Health the County Council provides special equipment for the care and nursing of premature babies. Few requests were, however, received for such equipment during the year.

MATERNAL MORTALITY.

Table 13 gives the maternal mortality rate in the administrative county during the past ten years.—

TABLE 13.

ADMINISTRATIVE COUNTY OF DURHAM.—Maternal Mortality—
1942-1951.

Year	Births Regis- tered (Live and Still)	Deaths from Puer- peral Sepsis	Rate Per 1,000 births Regis- tered	Deaths from other accidents and diseases of pregnancy and parturition.	Rate per 1,000 births Regis- tered	Total Maternal Mortality Rate per 1,000 births registered
1942	15,236	19	1.25	38	2.50	3.74
1943	15,631	11	0.70	48	3.07	3.77
1944	17,730	16	0.90	29	1.64	2.54
1945	16,202	8	0.49	37	2.28	2.78
1946	19,047	9	0.47	41	2.15	2.62
1947	19,864	3	0.16	40	2.01	2.16
1948	18,254	3	0.16	21	1.15	1.31
1949	17,307	4	0.23	17	0.98	1.21
1950	16,565	4	0.24	15	0.91	1.15
1951	16,216	4	0.25	18	1.11	1.36

For the purpose of the Ministry of Health inquiry 21 maternal deaths were investigated during the year.

The following is an analysis of some features of these.—

Ages—

Under 20	1
20-29	12
30-39	5
40-50	3

Parity

1	2	3	4	5	6	7	8	9	10	11
6	4	3	3	1	—	—	2	1	—	11

Ante-Natal Care.

None	5
Doctor	6
Midwife	1
Ante-natal clinic and Hospital	9

Health during ante-natal period.

Good	5
Pre-existing disease	12
Not known	4

Causes of death.

Cardiac disease	6
Embolism	1
Obstetric shock	1
Pneumonia	1
Peritonitis	2
Toxaemia	5
A.P.H.	1
P.P.H.	1
Air Embolism	1
Adrenal deficiency	1
Meningitis	1

Results.

Full time live births	8
Full time still-births	2
Premature live births (one twin)	2
Premature still-births	4
Undelivered	4
Abortions	2

PUERPERAL PYREXIA.

The Puerperal Pyrexia Regulations, 1939, were replaced by the Puerperal Pyrexia Regulations, 1951, which came into operation on the 1st August 1951. These new Regulations still require puerperal pyrexia to be regarded as a notifiable disease, but with slight modifications including the following revised definition of the condition.—“any febrile condition occurring in a woman in whom a temperature of 100.4° Fahrenheit (38° Centigrade) or more has occurred within 14 days of childbirth or miscarriage.”

During the year 56 cases were notified compared with 50 in 1950 and four deaths were registered from puerperal sepsis, which is the same as in the previous year.

According to information supplied by the district medical officers of health 25 cases were removed to hospital.

OPHTHALMIA NEONATORUM.

TABLE 14.

Noti- fied	Cases.			Vision un- im- paired	Vision im- paired	Total Blind- ness.	Re- moved No Report	Deaths	Under treat- ment at end of year
	Treated								
	At Home	Hospital							
		In- p'tient	Out- p'tient						
*15	10	4	1	14	—	—	—	—	1

* includes one case not formally notified in this county.

The health visitors make careful enquiries into all cases of inflammation of the eyes of newly-born children, and during the year, in addition to the 15 cases notified as ophthalmia neonatorum, they reported 347 such cases to which they paid 838 home visits.

The following details have been abstracted regarding these cases.—

Treatment.

No. of cases treated by own doctor	208
No. of cases treated by own doctor and district nurse	1
No special treatment	133

Hospital Treatment.

In-patients	2
Out-patients	3

Results.

Vision unimpaired	341
Under treatment at the end of the year	6

The 2 cases receiving treatment at the end of 1950 cleared up satisfactorily.

HEALTH VISITING.

Notifications of Births.—During the year 16,055 live births and 363 stillbirths were notified; the number registered being 15,806 and 410 respectively. Of the notified births 9,228 were reported by doctors and midwives and 7,190 by maternity homes and hospitals. The health visitors paid first visits to 16,006 infants at home.

Save the Children Fund. Only one child in the county is receiving free gifts from this Fund.

Health Visitors' Training School.—This was discontinued for one year owing to a shortage of applicants for training.

Summary of Work done by Health Visitors.—The work of the health visitors during the year is summarised in Table 15.

TABLE 15.

DOMICILIARY VISITS.

Maternity and Child Welfare.—

Ante-Natal First visits	3,644
Revisits	1,629
Births First visits	16,006
Revisits to children under 1 year	36,368
" " " 1—2 years	32,034
" " " 2—3 " "	30,431
" " " 3—4 " "	29,196
" " " 4—5 " "	36,598
" " " 5—6 " "	924
Visits to Poliomyelitis cases	20
Other visits	2,264
Total	189,114

Tuberculosis.—

First visits ...	.....	.....	.....	.....	.....	1,536
Revisits ..	.....	.....	.....	.....	.....	17,766
Other visits	.....	.....	.....	.....	.....	1,378
			Total .....	.....	.....	20,680

School Work.—

School Children (Home visits)				17,822
do. (School visits)				1,532
Total				19,354

General Health.—

Visits re financial circumstances				1,624
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Mental Deficiency.—

Visits paid to mentally defective persons	6,371
Ineffective visits	23,655
Total number of visits	260,798
Number of effective visits	237,143
Time (as days) spent on visits (routine, other and ineffective)	10,880
Average daily number of effective visits per health visitor	22

TABLE 16.

ADMINISTRATIVE COUNTY OF DURHAM.—Number of Persons Vaccinated or Re-vaccinated for which records were received during the year 1951.

District.	VACCINATED Age at date of Vaccination.						RE-VACCINATED Age at date of Re-vaccination.					
	Under 1	1	2 to 4	5 to 14	15 or over	Total	Under 1	1	2 to 4	5 to 14	15 or over	Total
<i>Area No. 1.</i> Blaydon U.D. Ryton U.D. Whickham U.D.	52 32 74	1 — 3	2 1 3	4 1 —	9 5 8	68 39 88	— — —	— — —	— — —	3 — —	22 11 16	25 11 16
<i>Area No. 2.</i> Jarrow M.B. Felling U.D. Hebburn U.D.	144 171 137	8 10 4	6 3 1	10 10 1	6 16 3	174 210 146	— — —	— — —	2 — —	— — 1	18 22 11	20 22 12
<i>Area No. 3.</i> Consett U.D. Stanley U.D. Lanchester R.D.	139 108 62	5 6 1	7 — —	2 2 —	60 39 13	213 155 76	— — —	— — —	— — —	— 2 1	42 28 11	42 30 12
<i>Area No. 4.</i> Chester-le-Street U.D. Chester-le-Street R.D.	42 82	1 5	6 1	8 10	17 17	74 115	— —	— —	— 1	2 —	17 25	19 26
<i>Area No. 5.</i> Baldon U.D. Hetton U.D. Houghton-le-Spring U.D. Washington U.D. Sunderland R.D.	46 26 83 89 140	3 — 2 3 3	1 1 4 2 4	5 2 9 5 1	7 10 8 5 5	62 39 106 104 153	— — — — —	— — — — —	— — 3 — 1	1 2 2 1 1	14 8 22 23 19	15 10 27 24 21
<i>Area No. 6.</i> Crook & Willington U.D. Tow Law U.D. Weardale R.D.	19 10 52	2 — —	1 1 4	1 1 1	5 3 22	28 15 79	— — —	— — —	1 — 1	1 — 2	5 3 61	7 3 64
<i>Area No. 7.</i> Durham M.B. Brandon & Bysbottles U.D. Durham R.D.	120 75 110	9 2 3	3 3 4	4 3 2	39 24 29	175 107 148	— — —	— — —	3 1 1	4 2 2	81 19 39	88 22 42
<i>Area No. 8.</i> Seaham U.D. Easington R.D.	102 162	5 5	4 13	4 23	15 38	130 241	— —	— —	1 3	2 3	28 48	31 54
<i>Area No. 9.</i> Barnard Castle U.D. Barnard Castle R.D.	17 71	— 2	1 5	1 3	— 4	19 85	— —	— —	— 1	— 1	12 16	12 18
<i>Area No. 10.</i> Bishop Auckland U.D. Shildon U.D. Spennymoor U.D.	129 31 57	2 1 2	4 3 —	4 3 2	16 6 16	155 44 77	1 — —	— — —	— — —	1 — —	35 1 7	37 1 7
<i>Area No. 11.</i> Hartlepool M.B. Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	122 118 71 43 46	— 7 3 — 2	— 4 5 3 2	1 14 6 2 3	4 18 10 19 8	127 161 95 67 61	— 1 — — —	— — — — —	— — — — —	1 3 1 2 4	46 41 17 11 10	47 45 18 13 14
<i>Area No. 12.</i> Stockton M.B.	351	13	10	10	44	428	1	—	2	9	93	105
ADMINISTRATIVE COUNTY	3,133	113	112	158	548	4,064	3	—	21	54	882	960

TABLE 17.

ADMINISTRATIVE COUNTY OF DURHAM.—Diphtheria Immunisation, 1951.—

District.	Child Population Mid-1951.		Live Births Registered.		Number and estimated percentage of mid-1951 Child Population immunised up to 31st December, 1951.				Records received during the year of full courses of primary immunisation.			Records received during the year of reinforcing injections.
	5—15		1950		1951		5—15		Under 5	5—15	Total	
	Under 5				No.	%	No.	%				
<i>Area No. 1.</i>												0—15
Blaydon U.D.	2650	4434	469	495	1326	50	3649	82	350	20	370	259
Ryton U.D.	1099	1866	195	229	597	54	1530	82	161	9	170	123
Whickham U.D.	1957	3213	357	382	1050	54	2497	78	247	13	260	136
<i>Area No. 2.</i>												
Jarrow M.B.	2884	4464	595	498	1515	53	3808	85	341	12	353	246
Felling U.D.	2298	3618	423	442	999	43	1784	49	336	26	362	236
Hebburn U.D.	2151	3623	449	446	1043	48	3250	90	276	15	291	45
<i>Area No. 3.</i>												
Consett U.D.	3448	6073	684	659	1633	47	4715	78	464	23	487	303
Stanley U.D.	4214	7252	769	788	1921	46	5589	77	576	47	623	348
Lanchester R.D.	1371	2776	245	239	634	46	1905	69	192	14	206	48
<i>Area No. 4.</i>												
Chester-le-Street U.D.	1548	2499	304	286	745	48	1816	73	173	7	185	159
Chester-le-Street R.D.	3740	6088	730	700	1606	43	4772	78	487	31	518	320
<i>Area No. 5.</i>												
Boldon U.D.	1477	2368	295	299	549	37	2022	85	165	11	176	73
Hetton U.D.	1627	3014	331	314	501	31	1391	63	139	24	163	102
Houghton-le-Spring U.D.	3154	4550	512	608	1021	32	3064	68	256	26	282	147
Washington U.D.	1717	2660	325	332	840	49	1868	70	216	11	227	152
Sunderland R.D.	2354	3872	558	526	886	33	2653	69	253	7	260	134
<i>Area No. 6.</i>												
Crook & Willington U.D.	2263	3840	500	394	717	32	2275	59	188	15	203	77
Tow Law U.D.	274	498	55	58	90	33	221	44	27	3	30	14
Weardale R.D.	612	1400	115	108	317	52	800	57	79	4	83	34
<i>Area No. 7.</i>												
Durham M.B.	1519	2650	349	292	632	42	1742	66	222	22	244	50
Brandon & Byshottles U.D.	1844	3010	378	343	793	43	2425	81	236	20	256	108
Durham R.D.	3040	5127	514	592	867	29	4354	85	293	32	325	108
<i>Area No. 8.</i>												
Seaham U.D.	2539	4109	497	471	995	39	3301	80	227	9	236	127
Easington R.D.	7790	13739	1504	1468	3212	41	9166	67	757	31	788	507
<i>Area No. 9.</i>												
Barnard Castle U.D.	381	612	65	66	161	42	405	66	35	15	50	35
Barnard Castle R.D.	1503	2570	304	269	565	38	1729	67	154	70	224	118
<i>Area No. 10.</i>												
Bishop Auckland U.D.	3568	5350	656	676	1209	34	2921	55	292	20	312	135
Shildon U.D.	1330	2201	255	257	435	33	874	40	85	10	95	26
Spennymoor U.D.	2030	2949	417	365	697	34	1660	56	200	14	214	47
<i>Area No. 11.</i>												
Hartlepool M.B.	1895	2779	391	389	814	43	1752	63	247	52	299	94
Billingham U.D.	2450	3300	496	482	1759	71	3687	97	560	17	577	1223
Darlington R.D.	976	1683	184	205	311	32	1202	71	76	5	81	41
Sedgefield R.D.	2827	5258	567	567	1053	37	4102	76	198	215	413	62
Stockton R.D.	807	1232	144	158	219	27	133	11	79	16	95	14
<i>Area No. 12.</i>												
Stockton M.B.	7353	11364	1400	1402	2728	37	7315	64	686	46	732	49
Administrative County	82,730	136,651	16,132	15,806	34,440	42	96,903	71	9,278	912	10,190	5,700

Clinic, Etc., Work.—

Time (as days) spent.—

(a)	at M. & C.W. centres	.....	8,424
(b)	at chest clinics and contact sessions	.....	1,704
(c)	at school head to head inspections	.....	476
(d)	at school clinics	.....	148
(e)	conducting children to special schools	.....	110
(f)	assisting with school medical inspection	.....	366

Cases reported to district Medical Officers of Health.—

Overcrowding	.....	239
Sanitary defects	.....	264

HOME NURSING.

The arrangements with the Durham County Nursing Association under which the Association provides a service of home nurses, were continued throughout the year and the service was maintained satisfactorily.

The problem of housing accommodation for nurses proved to be less acute and staff vacancies were filled satisfactorily.

At the end of the year there were 95 wholetime and 67 part-time nurses employed. The number of new patients treated during the year was 17,569 while the nurses paid 362,950 visits on the districts, 13,791 casual visits and 10,110 visits were made to nurses' clinics.

VACCINATION AND IMMUNISATION.

The general arrangements to secure that as many children as possible are immunised and vaccinated were continued during the year.

A pamphlet regarding vaccination is sent to parents when their children attain the age of 3 months. To draw attention to the need for immunisation, leaflets are distributed by post at 8 months and 12 months, and to encourage re-inforcing doses at the age of 4 years 9 months. The health visitors are provided with details of children immunised and vaccinated in order that they can visit children who have not been so protected.

The total number of cases vaccinated and re vaccinated was 5,024 which is an increase of 461 compared with 1950. The number of cases who received primary immunisation was 10,190 which is an increase of 450 compared with the previous year; while the number of cases who received re-inforcing injections decreased from 5,938 in 1950 to 5,700 in 1951.

Tables 16 and 17 give details of the numbers vaccinated and immunised in the county.

AMBULANCE SERVICE.

As will be seen from the statistics in Tables 18 and 19, the service has carried 210,012 cases and covered 2,129,585 miles during the year, an increase of 50,721 cases and 149,904 miles when compared with 1950. As in previous years part of the increase in the work has arisen from the continued demand for the daily transport of "treatment" cases to and from hospital but some of the increase in the actual number of cases carried is due to a revised method of recording prescribed by the Minister of Health operating from 1st August. In July, the Minister attempted by the issue of Circular 30/51, to lighten the load on the service by seeking a wider degree of co-operation from hospital staffs and medical practitioners.

While the directions set out in the Circular have resulted in some restriction of demand, the actual reduction has not been as substantial as was hoped.

A special sub-committee appointed to consider the re-organisation of the service has visited every depot in the administrative county, with the exception of the three rural out-stations, and made recommendations with a view to improving garage accommodation and amenities for the personnel. Owing in the main to building restrictions, little real progress has been made with regard to the provision of new depots, but accommodation and amenities have been improved at Conssett, Stanley and Bishop Auckland.

The agency arrangements with the Jarrow Division of the St. John Ambulance Brigade were terminated by mutual consent on the 30th June. This leaves only one agency—the Wheatley Hill Hospital Fund—operating in the county scheme.

From the 1st September all long-distance journeys were undertaken by the personnel and vehicles (five Humber/Lomas ambulances and a Daimler car) based on the Lanchester Depot. This arrangement has enabled a more effective control to be maintained on this branch of the service, with a consequent saving in the use of vehicles and manpower.

Of the 201 drivers who were entered for the National Safe Driving Competition for 1950, organised by the Royal Society for the Prevention of Accidents, 164 qualified to receive an award.

TABLE 18.

Period.	No. of Journeys made	No. of Patients carried			Total mileage covered
		Stretcher cases	Sitting cases	Total	
1/1/51 to 31/12/51	86,429	40,570	169,442	210,012	2,129,585
1/1/50 to 31/12/50	79,896	36,301	122,990	159,291	1,979,681
Increase	6,533	4,269	46,452	50,721	149,904

ADMINISTRATIVE COUNTY OF DURHAM.—SUMMARY OF AMBULANCE WORK done during the period 1st JANUARY to 31st DECEMBER, 1951.

ADMINISTRATIVE COUNTY OF DURHAM.—SUMMARY OF AMBULANCE WORK done during the period 1st JANUARY to 31st DECEMBER, 1951.																																												
UNIT AREA.	Authorised establishment of men and vehicles.			Actual members employed on 31st December, 1951.			No. of Journeys.	GENERAL.										EMERGENCY.															Grand totals		Petrol used (galls.)	Mileage								
	Ambulances.	Cars.	Driver-Attendants.	Ambulances.	Cars.	Driver-Attendants.		Admissions to Hospital.	Infectious Diseases Cases.		Tuberculosis Cases.		Hospital Transfers.		Hospital Out-Patient Treatment Cases.		Discharges from Hospital.		Totals.		General Hospitals.	Infectious Diseases Cases.		Maternity Cases.	Accidents at Home.		Road Accidents.		Accidents at Sports Meetings.		Industrial Accidents.	Hospital Transfers.	Totals.				Stretcher Cases.	Sitting Cases.						
									S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.		S.	C.		S.	C.	S.	C.	S.	C.			S.	C.					S.	C.	S.	C.	S.	C.
1. East Tyneside	8	2	28	8	—	20	7237	872	288	106	16	22	647	117	170	1114	10921	185	972	2416	13014	130	37	40	9	112	300	13	4	70	35	16	14	93	189	29	33	503	621	2919	13635	10555	113576	
2. West Tyneside	5	1	16	5	—	16	3998	664	241	68	1	9	127	71	141	968	6779	46	628	1826	7917	173	21	14	4	146	227	18	10	35	18	4	34	37	22	6	446	327	2272	8244	7917	105149		
3. Stanley	5	2	16	5	—	18	4377	646	482	1	2	5	127	58	50	895	7233	60	838	1665	8611	135	40	4	—	62	208	3	4	24	6	2	2	2	3	2	235	262	1900	8873	8918	116165		
4. Consett	6	2	18	6	—	18	3957	568	305	7	—	3	11	292	246	802	5435	225	1879	1897	7876	101	13	2	1	71	233	6	4	33	12	5	2	3	1	17	10	238	276	2135	8152	9409	109303	
5. North-Eastern	4	1	14	4	—	12	2817	339	128	9	1	3	188	30	79	428	4075	82	413	891	4884	47	7	2	2	32	107	5	2	31	6	3	2	36	61	2	156	189	1047	5073	5610	70364		
6. Houghton	5	1	16	7	—	14	4351	749	306	37	6	15	21	127	95	768	11196	469	2644	2165	14268	127	15	3	1	103	263	32	6	21	6	7	4	2	5	3	302	300	2467	14568	10299	132177		
7. Seaham	4	1	14	4	—	11	2958	510	179	28	2	1	—	140	37	373	6993	248	1468	1300	8679	12	1	1	—	143	80	18	—	23	6	1	1	1	3	1	209	90	1509	8769	5630	77524		
8. Easington	9	1	24	10	—	23	6417	917	465	62	4	2	1	111	67	841	15230	400	2240	2333	18007	80	30	6	5	178	222	67	22	45	17	12	3	15	18	9	—	412	317	2745	18324	18590	241333	
9a. Hartlepool	1	—	5	1	—	4	2191	326	43	—	—	—	3	94	26	495	1882	499	606	1425	2560	10	—	—	—	57	6	15	3	33	9	20	1	35	5	5	—	175	24	1600	2584	1470	23338	
9a. West Hartlepool	—	—	—	—	—	—	102	24	—	11	—	—	—	—	—	2	3	6	5	45	8	2	—	—	—	7	—	2	—	—	—	—	—	—	—	—	52	1	97	9	59	763		
10. Sedgfield	5	1	16	6	—	16	5624	482	127	112	6	10	90	264	303	927	7662	347	1904	2142	10092	90	7	10	—	69	408	13	3	30	14	5	2	33	61	7	1	257	496	2399	10588	10351	146936	
11. Stockton	8	1	26	8	1	24	13691	1601	697	323	173	1	7	292	249	860	8882	557	3627	3634	13635	135	30	6	8	161	363	89	158	130	121	167	171	175	247	5	5	868	1103	4502	14738	13146½	165419	
12. Darlington	2	1	4	2	—	4	1894	89	40	15	—	—	1	2	—	203	652	224	597	533	1290	—	—	—	—	25	15	2	2	40	19	5	5	3	1	—	—	75	42	608	1332	1938	26637	
13. Barnard Castle	8	2	22	8	—	21	5463	968	437	187	—	3	6	134	103	1132	8410	440	2224	2864	11180	273	28	39	3	157	356	20	5	52	17	10	3	33	15	10	1	48	17	493	2152	11612	11812	165394
14. Bishop Auckland	6	1	16	6	—	13	4580	615	249	508	9	18	27	91	253	553	9108	120	1298	1905	10944	170	26	55	2	81	234	5	3	30	8	2	3	16	10	1	2	360	288	2265	11232	8405	103558	
15. Chester-le-Street	8	1	24	7	—	26	9196	836	238	30	3	5	7	330	258	1779	10008	712	2742	3692	13256	180	37	3	5	140	462	11	5	93	33	23	14	32	41	1	3	483	600	4175	13856	12251	171522	
16a. Durham (Central)	5	1	11	5	1	11	3102	312	140	632	8	26	49	221	185	552	4862	225	1494	1968	6738	44	2	11	—	29	83	4	2	6	6	3	—	5	1	2	—	104	94	2072	6832	9777½	133476	
16a. Durham (West)	5	1	11	5	1	11	3102	312	140	632	8	26	49	221	185	552	4862	225	1494	1968	6738	44	2	11	—	29	83	4	2	6	6	3	—	5	1	2	—	104	94	2072	6832	9777½	133476	
17. Western	6	1	16	6	—	19	3456	449	229	21	—	54	127	114	87	806	7242	243	1028	1687	8713	104	13	2	—	70	124	4	2	19	8	5	4	14	3	2	220	156	1907	8869	12074	162086		
	95	20	286	99	2	270	86429	11095	4674	2158	231	188	1319	2515	2366	13697	128320	5180	26897	34833	163807	1835	309	200	40	1653	3701	328	236	736	342	292	234	572	697	121	76	5737	5635	40570	169442	161932	2129585	
* County ambulance reinforced as necessary by adjoining County Borough Service																																												

* County ambulance reinforced as necessary by adjoining County Borough Service.

"S" Stretcher cases conveyed by ambulances.

† Darlington County Borough Council provides service as required.

"C" Sitting cases conveyed by ambulances and cars.

N.B. Part of the increase in the figures recording the number of journeys made and patients carried is due to the revised method of annual costing laid down by the Ministry of Health in Circular 25/51, which became operative on 1st August 1951.

DETAILS OF AMBULANCE CONTROLS AND UNIT AREAS

Ambulance Control No.	Address of Control.	Unit Area No.	Districts served.	Telephone Number.
1	Ambulance Station, St. John's Avenue, HEBBURN.	1 5	<i>East Tyne</i> side : Jarrow M.B.; Hebburn U.D.; Felling U.D. <i>North Eastern</i> : Washington U.D.; Boldon U.D.; Sunderland R.D. (that part lying north of the River Wear).	HEBBURN 32157.
4	Ambulance Station, Villa Real, CONSETT.	2 3	<i>West Tyne</i> side : Whickham U.D.; Blaydon U.D.; Ryton U.D. <i>Stanley</i> : Stanley U.D. <i>Consett</i> : Consett U.D.; Lanchester R.D. (the Civil parishes of Muggleswick and Healeyfield) ; Weardale R.D. (the Civil parishes of Hunstanworth and Edmondbyers). Also the township of Blanchland and the parts of Shotley Bridge in Northumberland.	CONSETT 411.
6	Ambulance Station, Devon Street, NEW HERRINGTON.	6	<i>Houghton</i> : Hetton U.D.; Houghton-le-Spring U.D.; Sunderland R.D. (that part lying south of the River Wear); Durham R.D. (the Civil parish of Rainton).	EAST HERRINGTON 3137.
8	Ambulance Station, Byron Street, WHEATLEY HILL.	7 8	<i>Seaham</i> : Seaham U.D.; Easington R.D. (the Civil parishes of Burdon, Cold Hesleden, Dalton-le-Dale, East Merton, Seaton-with-Slingiey, and Warden Law). <i>Easington</i> : Easington R.D. (the Civil parishes of Castle Eden, Easington, Haswell, Hawthorn, Hutton Henry, Monk Hesleden, Nesbitt, Sheraton-with-Hulam, Shotton, Thoruley and Wingate).	THORNLEY 243.
9	Ambulance Station, York Road, WEST HARTLEPOOL.	9	<i>Hartlepool</i> : Hartlepool M.B.; Stockton R.D. (the Civil parishes of Brierton, Claxton, Dalton Piercy, Elwick, Elwick Hall, Greatham, Hart, Newton Bewley and Seaton).	HARTLEPOOLS 2011.
11	Ambulance Station, Barrington House, Buchanan Street, STOCKTON-ON-TEES.	11	<i>Stockton</i> : Stockton M.B.; Billingham U.D.; Stockton R.D. (the Civil parishes of Aislaby, Carlton, Egglecliffe, Elton, Grindon, Longnewton, Newsham, Norton, Preston-on-Tees, Redmarshall, and Whitton).	STOCKTON 67410.
12	Town Ambulance Station DARLINGTON.	12	<i>Darlington</i> : Darlington R.D.	DARLINGTON 3333.
14	Ambulance Station, Acacia Road, BISHOP AUCKLAND.	13 14	<i>Barnard Castle</i> : Barnard Castle U.D.; Barnard Castle R.D. (excluding the Civil parishes of Bolam, Etherley, Evenwood-and-Barony, Hamsterley, and South Bedburn). <i>Bishop Auckland</i> : Bishop Auckland U.D.; Shildon U.D.; Spennymoor U.D.; Barnard Castle R.D. (the Civil parishes of Bolam, Etherley, Evenwood-and-Barony, Hamsterley and South Bedburn).	BISHOP AUCKLAND 810.
		17	<i>Western</i> : Crook and Willington U.D.; Tow Law U.D.; Weardale R.D. (excluding the Civil parishes of Hunstanworth and Edmondbyers in No. 4 Unit Area).	
16	Ambulance Headquarters The Vennel, Old Elvet, Durham City.	10 15 16	<i>Sedgefield</i> : Sedgefield R.D. <i>Chester-le-Street</i> : Chester-le-Street U.D.; Chester-le-Street R.D. <i>Durham</i> : Durham M.B.; Brandon U.D.; Durham R.D. (excluding the Civil parish of Rainton in No. 6 Unit Area); Lanchester R.D. (excluding the Civil parishes of Muggleswick and Healeyfield in No. 4 Unit Area).	DURHAM 587.

During the year consideration was given to an application from the trade unions concerned that members of the ambulance driving staff should be regarded as "shift workers" and, following a meeting on 7th September between representatives of the Council, the Unions and the Ministry of Labour and National Service, a compromise was reached whereby employees would relinquish their claim to a shift allowance in return for the payment of 1½d. per hour (4/7d. per week) as a plus payment while engaged on the present duty rota, this payment being made in respect of the inconvenient working arrangement involved. The payment was made retrospective to 1st April 1950.

ORGANISATION :

(a) *Controls*.—For operational purposes the drivers and vehicles are grouped into 17 unit areas, and these areas are, in turn, further grouped into 9 control areas (see Table 20). Seven of the controls are under the direct supervision of the County Council, while two—Darlington and West Hartlepool—act as agent-controls. Each control is continuously manned and each unit area has an emergency-duty ambulance on a 24-hour availability, the rest of the vehicles providing a "general" service.

(b) *Depots*.—The number of depots is 19, comprising 15 principal depots, one small coastal depot, and three rural out-stations covering Weardale and Teesdale. The position with regard to accommodation remains a cause for some concern, many vehicles still having to stand in the open, but in addition to the improvements at Stanley (occupied as from 26th February), Consett and Bishop Auckland depots already mentioned, tenders have been accepted for new depots at Chester-le-Street and New Herrington.

(c) *Vehicles*.—At the commencement of the year there were 86 ambulances and 2 cars in use. During the year 7 ambulances were withdrawn as unserviceable and 20 new Bedford/Lomas ambulances were delivered, leaving 99 ambulances and 2 cars in use at the end of the year.

During the year 100 vehicles required major repairs and 266 minor repairs.

An order for a further 16 new Karrier ambulances was placed during the year.

(d) *Staff* :

(i) *Headquarters*.—No additional personnel have been appointed to the staff at headquarters, but sanction has been given for the appointment of two liaison officers for duty at Newcastle and Sunderland, respectively, for the purpose of co-ordinating the work of the service at the hospitals in these two areas.

(ii) *Controls*.—Each of the seven county controls is manned continuously by four male clerk-telephonists working a three-shift system. Two further clerk-telephonists have been appointed to serve as reliefs.

(iii) *Driver-Attendants*.—The total number of drivers employed in the service at the end of the year was 270, this being an increase of

two over the figure at the end of 1950. It is proposed to recruit additional driving staff up to the maximum authorised establishment of 286.

TABLE 21.

Headquarters staff	11
Ambulance controls	9
Clerk-telephonists	30
Ambulance depots	19
Ambulances	99
Sitting-case cars	2
Driver-attendants	270

PREVENTION OF ILLNESS, CARE AND AFTER-CARE.

The proposals of the County Council under Section 28 of the National Health Service Act, 1946, originally approved by the Minister of Health on the 22nd April, 1948, have been amended on four occasions since and the following is a copy of the last proposals as approved by the Minister on the 11th June, 1951.—

“On the appointed day the voluntary district care committees as agents of the County Council continued to provide for the care and after-care of the tuberculous, their functions being enlarged to include the care and after-care of the sick other than tuberculous persons.

The Local Health Authority will cease to employ the district care committees as their agents and will themselves discharge the functions imposed on the authority by Section 28 of the National Health Service Act, 1946. The Local Health Authority will exercise these functions through the area Health Sub-Committees, established under the County Council's scheme for the appointment of Health Sub-Committees, pursuant to paragraph 6 of Part II of the Fourth Schedule to the National Health Service Act, 1946.

To each sub-committee will be attached a social worker (who may serve more than one committee) who will co-operate with hospital almoners, the officers of the Ministry of National Insurance and the Ministry of Labour and National Service, officers in the Local Health Authority service, Medical Officers of Health and other persons and organisations to assist persons who require care as a result of illness.

The arrangements will be such as will lie outside the scope of the hospital and specialist services, and of the provisions of Part III of the National Assistance Act, 1948.

TUBERCULOSIS.

The Local Health Authority will use facilities for the rehabilitation of tuberculous persons in sheltered employment in village settlements or hostels provided by other local health authorities or by voluntary organisations.

The Local Health Authority may as circumstances permit :

- (a) establish dormitory hostel accommodation in association with special factories otherwise provided for the employment of tuberculous persons under sheltered conditions.

TABLE 22.

PREVENTION OF ILLNESS, CARE AND AFTER-CARE.
Summary of provision made during the period 1.4.51 to 31.12.51.

DISTRICTS.		Air Cushions	Air Beds	Bedsteads	Bed Blocks	Bed Cradles	Bedpans	Bed Tables	Bedrests	Blankets— Per Pair	Children's Cots	Commodore	Crutches—Per Pair	Feeding Cups	Fracture Boards	Mattress (Hair)	Mattress (Dunlopillo)	Pillows—Per Pair	Pillow-cases—Per Pair	Pulley Attachment	Rubber-Sheeting Hot Water Bottles	Sheets—Per Pair	Spinal Carriages	Invalid Chairs				Water Beds	Urine Bottles	Sputum Mugs	T.B. Shelters	Enamel Receivers	Enamel Bowls	Enamel Jugs	Walking Sticks	Sand Bags	Milk			
																								Push	Rim-Driven	Chain-Propelled	Junior Push										Cases Receiving Free Milk	Cases Making Part Payment		
1.	Blaydon U.D. Ryton U.D. Whickham U.D.	11	1	2	—	5	28	2	23	—	—	2	1	1	1	2	3	—	1	—	22	—	2	—	3	—	—	1	1	17	1	—	—	—	—	—	—	7	—	
2.	Jarrow M.B. Felling U.D. Hebburn U.D.	42	7	2	—	3	31	—	32	9	—	2	1	—	—	1	2	7	7	—	34	—	7	4	7	3	1	—	—	15	1	—	—	—	—	—	—	1	—	
3.	Consett U.D. Stanley U.D. Lanchester R.D.	16	—	2	—	4	12	—	8	3	—	—	4	—	—	2	8	1	1	1	14	—	2	—	7	4	—	2	2	7	—	—	—	—	—	—	—	11	—	
4.	Chester-le-Street U.D. Chester-le-Street R.D.	17	6	2	—	1	14	2	12	1	—	1	1	1	—	2	11	1	1	—	24	—	3	1	10	3	—	1	1	7	—	—	—	—	—	—	—	4	—	
5.	Boldon U.D. Hetton U.D. Houghton-le-Spring Washington U.D. Sunderland R.D.	14	1	5	—	1	15	—	5	4	—	—	6	—	—	5	5	6	3	—	13	—	4	—	2	1	—	—	—	5	—	—	2	1	1	—	—	—	9	—
6.	Crook & Willington U.D. Tow Law U.D. Weardale R.D.	13	—	3	—	2	2	—	4	3	—	1	—	—	—	1	5	5	1	—	6	—	1	1	7	2	—	—	—	3	—	2	—	1	—	—	—	—	1	—
7.	Durham M.B. Brandon & Byshottles U.D. Durham R.D.	31	2	3	—	3	25	1	12	3	—	3	2	1	1	2	14	—	2	—	14	1	2	2	15	7	—	—	—	8	1	—	—	—	—	1	—	—	5	—
8.	Seaham U.D. Easington R.D.	9	1	3	—	2	12	1	4	3	—	1	3	2	—	3	2	3	3	—	11	—	3	—	3	—	—	—	—	5	—	—	—	—	—	1	—	—	15	—
9.	Barnard Castle U.D. Barnard Castle R.D.	—	—	1	—	—	1	—	1	—	—	—	—	—	—	—	2	—	—	1	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
10.	Bishop Auckland Shildon U.D. Spennymoor U.D.	9	—	—	—	1	4	—	5	2	—	—	—	—	—	—	2	1	1	1	7	—	1	—	2	—	—	—	—	1	—	—	—	—	—	—	—	—	7	—
11.	Hartlepool M.B. Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	3	—	—	—	3	1	—	4	—	—	1	—	—	—	1	—	—	—	—	—	—	1	—	1	—	—	1	—	1	—	—	—	—	—	—	—	—	8	—
12.	Stockton M.B.	3	—	1	—	1	5	—	3	—	—	—	—	—	—	—	1	—	—	1	1	—	—	3	1	2	—	—	—	—	—	—	—	—	—	—	—	—	9	—
Administrative County		168	18	24	—	26	150	6	113	28	—	11	18	5	2	19	55	24	20	4	147	1	26	11	58	22	1	6	4	69	3	2	2	2	1	2	—	77	—	

- (b) appoint occupational therapists (possibly in conjunction with the Regional Hospital Board) who will visit patients in their homes.
- (c) make such arrangements as are considered desirable for the granting of extra nourishment.
- (d) improve in so far as they have power to do so the living conditions of the sick and their dependants.
- (e) assist and advise the convalescent to obtain suitable employment and in particular to enable suitable persons to obtain the benefit of the arrangements made by the Ministry of Labour and National Service under the Disabled Persons (Employment) Act where these are appropriate.
- (f) generally assist the sick in any other manner which may seem advisable, e.g. by the provision of beds, bedding, clothing, etc.

The Authority will endeavour to make arrangements with the Regional Hospital Board whereby medical specialists who will be concerned in diagnostic and curative work under the Board will also give service to the Local Health Authority in connection with their preventive and care work ; and whereby members of the Authority's staff who will visit tuberculous patients in their homes spend part of their time working in co-operation with the medical specialists at chest clinics.

The Local Health Authority intends to provide for B.C.G. vaccination, by and at the instance of a physician with specialist knowledge and experience of tuberculosis, as regards persons to whom it is judged medically expedient, subject to the necessary preliminary tests, to offer such vaccination in view of their known contact with tuberculosis infection. Records of B.C.G. vaccinations will be kept in such standard form as may be recommended by the Ministry, and information concerning these records will be supplied to the Ministry on request.

The Local Health Authority will, in connection with the work of B.C.G. vaccination and otherwise, make arrangements as necessary for the segregation of children from sources of infection either (a) by providing special accommodation or using special accommodation provided by other Local Health Authorities or (b) by boarding out, having regard in this respect to the provisions of the Children Act, 1948.

MENTAL ILLNESS.

Proposals are included in the scheme under Section 51 of the National Health Service Act for the setting up of occupation centres for mental defectives and for a home teaching service.

The supervision of mental defectives except those on licence from certified institutions has hitherto been carried out by health visitors and it is proposed subject as hereinafter mentioned to continue this arrangement. Mental defectives on licence from a certified institution have been supervised by the North Eastern Council for Mental Welfare and it is proposed that arrangements be made with the Regional Hospital Board for this work to be continued by this Association or its successor.

In appropriate cases the Local Health Authority propose to make arrangements with the National Association for Mental Health for the after-care of persons suffering from mental illness or mental defect.

VENEREAL DISEASES.

Social workers will be employed for the purpose of following up persons under treatment for venereal disease or persons believed to be sources of venereal infection. These workers will co-operate closely with the venereal disease treatment centres serving the Local Health Authority area.

OTHER ILLNESS.

The authority will develop arrangements in the light of circumstances and experience for affording all necessary care and after-care to persons discharged from hospital or other invalids, so, however, that the arrangements in this respect will be such as will be outside the scope of the hospital and specialist services and of the provisions of Part III of the National Assistance Act, 1948.

NURSING EQUIPMENT.

The Local Health Authority will establish central and local stores of nursing requisites and other articles for loan to sick persons who are being nursed at home, and who require them.

PHYSIOTHERAPY.

The Authority will if necessary co-operate in any arrangements for domiciliary physiotherapy which may be made by the Regional Hospital Board.

HEALTH EDUCATION.

The Local Health Authority propose to develop as opportunity permits a comprehensive programme of health education providing

- (a) instruction on the principles and practice of health education for persons whose work brings them in contact with the community and
- (b) information on individual and community health for the general public ;

and for these purposes to use the appropriate services, material and advice available from the Central Council for Health Education or from other sources."

The employment of the seven voluntary district tuberculosis care and after-care committees as agents under the County Council's scheme was terminated on the 30th September, 1951, and with effect from the 1st October the duties under Section 28 of the National Health Service Act, 1946, have been discharged by the County Council.

The following is a summary of the provision made by the seven district care committees during the first quarter of the year. Details of the work done by them for the following six months are included in Table 22.

<i>Assistance granted.</i>	<i>No.</i>
Extra nourishment (milk)	162
Clothing and/or boots	34
Bedsteads and bedding	33
Travelling expenses	3
Appliances (includes other illnesses)	363
Domestic help	2
Housing—overcrowding	1
Invalid chairs (includes other illnesses)	24

Cases referred to:—

National Assistance Board	.....	.....	56
Other bodies	.....	.....	6

Tuberculosis.—Weekly returns of tuberculosis notifications continue to be received from district medical officers of health. From this information a register of all cases in the administrative county is kept in this Department and the health visitors are kept informed of all new cases so that they may visit and advise. Particulars of all notified cases are forwarded weekly to the chest clinics who in turn send to this Department details of patients removed from the register as recovered, removed from area, etc., and this information is passed by this Department to district medical officers of health and health visitors. Close liaison exists between the chest clinics and the Health Department.

Chest Physicians.—Arrangements have been made with the Regional Hospital Board for the employment by the County Council of the following chest physicians in respect of prevention and care work, the County Council paying for the proportion of the time given to such duties, as indicated.

Name of Officer.	Status.	Area.	Pro- portion of time given to C. C. duties	Date of Appoint- ment.
S. D. Rowlands	S.H.M.O.	Gateshead	1/22nd	1. 4.50
O. W. Marienfeld	do.	So. Shields	1/11th	5. 7.48
W. Rozner	do.	do.	1/11th	4. 5.51
C. A. O'Neill	do.	Durham	3/11ths	5. 7.48
J. D. Trail	do.	do.	3/11ths of 9/11ths	5.7.48 to 31. 8.51
			3/11ths	1. 9.51
A. B. White	Consult.	Sunder- land	1/11th	1.10.50
J. F. E. Johnson	S.H.M.O.	do.	1/11th	1.10.50
G. Walker	Consult.	Darlington	3/22nds	12. 1.51
*W. Clark	S.H.M.O.	do.	3/22nds	12. 2.51
D. J. Campbell	do.	do.	3/22nds	4. 5.51
J. B. Robinson	Consult.	Hartlepool	2/11ths	1. 7.49
K. M. Chalmers	Cons. Asst.	do.	2/11ths	12. 2.51
*W. Clark	S.H.M.O.	do.	3/11ths	5. 7.48

* Transferred to Darlington area 12.2.51.

B.C.G. Vaccination against Tuberculosis.—During the period 1st April, 1950, to 31st December, 1951, 222 patients were vaccinated by chest physicians. The cases dealt with were mostly children who were contacts of cases of respiratory tuberculosis.

Rehabilitation.—One patient, who had been admitted to Preston Hall Colony, Maidstone, Kent, in 1947, continued to be maintained by the County Council during the year, while another patient, admitted in January, 1951, ceased to be maintained in October. In addition, three patients (1 male and 2 female) have been maintained in Papworth Hall Colony, Cambridge, two for the whole of the year and one, who was admitted in 1945, ceased to be maintained in April, 1951.

Occupational Therapy.—Arrangements were made during the year for instruction to be given to two disabled men, one (tuberculous) in leatherwork and the other (disseminated sclerosis) in weaving.

Nursing equipment.—Applications for the loan of nursing equipment for patients are received from the district nurses of the County Nursing Association, doctors, etc., and stocks of such requisites are maintained in a central store in this Department from which demands are met. Details of the provision made are given in Table 22.

Venereal Disease.—A social worker, who works in close co-operation with the venereal disease treatment centres serving the administrative county, is employed in following up contacts and patients under treatment.

Health Education.—Considerable use continued to be made during the year of health propaganda material loaned by the Central Council for Health Education, this being exhibited in welfare centres throughout the county.

Convalescent Homes.—The acute shortage of convalescent home accommodation continues and none is available to the County Council.

DOMESTIC HELP SERVICE.

The object of the service is to provide domestic help for households "where such help is required owing to the presence of any person who is ill, an expectant mother, lying-in, mentally defective, aged, or a child not over school age". The service continues to grow. So many applications for assistance were received that restriction of the weekly number of hours per household was necessary, but every genuine need was met.

As well as applications for assistance from sick and infirm persons many are received from members of the medical and welfare services. Every application is investigated and enquiries are made regarding relatives who may be able to assist. This service is not to replace family care but to supplement it, and provide for those who are bereft of relatives. The assistance given varies with the type of case. Maternity cases may need 44 hours per week for two weeks after confinement while only 4 to 6 hours weekly may be required to assist adequately an aged person. The Domestic Help Service relieves the pressure on hospitals, assists district nurses, midwives and health visitors and enables old people to continue living in their own homes.

The fee for the service is 2/6d. per hour but householders pay in accordance with the County Council assessment scale which takes into account the income of the household, due allowance being made for the number of family, rent, rates, etc. Home helps are paid 2/0⁵d. per hour increasing to 2/1⁵d. after a year's continuous service. As their duties include the care of young children, the care of the sick and aged, and the domestic work of the house, they must be capable, honest and trustworthy. No "sitters-in" are employed.

As the service expanded 6 additional assistant organisers were found necessary and these were appointed in January making 12 in all.

Talks on the service were given in six county districts.

The following is a brief summary of the work accomplished.—

No. of cases provided with home helps during the year.—

Maternity	..	233	
Tuberculosis	.....	34	
Others	.....	2,867	
			3,134

No. of cases attended on 1st January		1,075
New cases during the year	.....	2,049
		3,124

Cases terminated	..	1,262

Cases attended on 31st December		1,862

Applications withdrawn		404
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The assistant organisers made visits as under.—

Preliminary visits to applicants	3,185
Routine visits to applicants	37,932
Enquiries regarding domestic helps	2,072
Visits to domestic helps	5,937
Other visits	1,128
	50,254

MENTAL HEALTH SERVICE.

The Mental Health Sub-Committee which meets bi-monthly, is a sub-committee of the County Health Committee.

The medical work of this section continues to be carried out by the Deputy County Medical Officer.

In addition to their duties under the National Health Service Act, 1946, the seven duly authorised officers are also engaged with certain work under the National Assistance Act, 1948.

No administrative duties are delegated to voluntary associations.

Three of the seven duly authorised officers have attended a week-end course of training in mental health work.

Account of work undertaken in the Community.

National Health Service Act, 1946, Section 28.—The supervision of mental defectives, except those on licence from certified institutions is carried out by the health visitors. The arrangements with the National Association for Mental Health for dealing with the after-care of ex-service personnel and other persons suffering from mental illness ceased on 30th September, 1951, and the County Council proceeded to consider the question of providing their own service for community care, by the appointment of psychiatric social workers.

Lunacy and Mental Treatment Acts, 1890—1930.—During the year, the duly authorised officers, at the request of medical practitioners or the police, investigated cases under the Lunacy and Mental Treatment Acts. In the following cases admission to a mental hospital was arranged.—

Lunacy Act, 1890.—

Section 11—Urgency Order	.....	.....	1
Section 16—Certified patients	.....	.....	335
Section 20—3-day Orders	.....	.....	234
Section 21(1)—14-Day Orders	.....	.....	73
Section 55—Relapse on Trial	.....	.....	1
Section 85—Escape and recapture	.....	.....	1

Mental Treatment Act, 1930.

Section 1—Voluntary patients	.....	.....	115
Section 5—Temporary patients	.....	.....	7

Mental Deficiency Acts, 1913-1938.

Ascertainment.—On the 31st December there were 2,845 mentally defective persons on the register, which number gives an ascertainment figure of 3.16 per 1,000 population in the administrative county area. Table 23 shows the sex distribution of patients on the register.

TABLE 23.

MENTALLY DEFECTIVE PERSONS.—Sex Distribution.—

Distribution of cases.	Male.	Female.	Total.
In certified hospitals for mental defectives	247	323	570
Places of safety	2	7	9
In State hospitals	11	7	18
Under guardianship	6	5	11
Domiciliary supervision	927	957	1,884
Pending	18	15	33
In other hospitals	169	151	320
Totals	1,380	1,465	2,845

During the year 121 cases were added to the register, and at the end of the year approximately 400 mental defectives were awaiting vacancies in hospitals.

Under the provision of the Education Act, 1944, the Local Education Authority notified during the year to the Local Health Authority the following.—

	M	F.	Total
Under Section 57 (3)—Children considered ineducable within the school system	10	8	18
Under Section 57 (5)—Children who require further supervision after leaving school	17	15	32

During the year 22 petitions were presented and an Order under the Acts was made in each case for hospital care and training.

Difficulty continues to be experienced in obtaining vacancies in hospitals for defectives.

Guardianship and Supervision.

Two defectives were placed under the statutory guardianship of their parents during the year. The number under this section of the Act directly supervised by this Authority on the 31st December was 8 (male 4, female 4).

The county health visitors continued to supervise defectives in their homes making 6,371 visits to 1,867 defectives during the year. Of the defectives known to this authority, 23 have given birth to children during this period, 4 while unmarried. Fourteen female defectives were married.

Training.

During the year, the County Council approved the establishment of occupation centres for mental defectives at Consett, Houghton-le-Spring and Stockton-on-Tees. A home teacher for mental defectives commenced duty in the Stockton-on-Tees area on the 1st March, 1951.

Examinations by Medical Officer.

The number of examinations made by a medical officer for the purpose of certification or classification is shown in Table 24.

TABLE 24.

Examinations.	Certifiable	Not Certifiable.	Total.
Domiciliary	26	2	28
In institutions	10	4	14
Under guardianship	8	—	8
In medical officer's office	14	—	14
In H.M. Prison, Durham	8	1	9
Totals	66	7	73

AREA HEALTH SUB-COMMITTEES.

Table 25 shows the number of meetings held by the area health sub-committees during the year, in accordance with the scheme adopted by the County Council in 1948.

TABLE 25.

No. of Area.	Names of County Districts comprised in the area.	Medical Officer.	Number of members.	Meetings held.
1	Blaydon U.D. Ryton U.D. Whickham U.D.	Vacant.	20	4
2	Jarrow Borough Felling U.D. Hebburn U.D.	Vacant.	21	5
3	Consett U.D. Stanley U.D. Lanchester R.D.	S. Ludkin, M.B., B.S., D.P.H.	21	4
4	Chester-le-Street U.D. Chester-le-Street R.D.	Vacant.	16	4
5	Boldon U.D. Hetton U.D. Houghton U.D. Washington U.D. Sunderland R.D.	L. A. M. Johnston, B.Sc., M.B., Ch.B., D.P.H.	25	7
6	Crook U.D. Tow Law U.D. Weardale R.D.	Vacant.	18	4
7	Durham Borough Brandon U.D. Durham R.D.	W. Aitchison, M.C., M.A., B.Sc., M.B., Ch.B., D.T.M. & H. D.P.H.	20	3
8	Seaham U.D. Easington R.D.	Vacant.	18	11
9	Barnard Castle U.D. Barnard Castle R.D.	J.G. Paley, M.R.C.S., L.R.C.P., D.P.H.	15	4
10	Bishop Auckland U.D. Shildon U.D. Spennymoor U.D.	H. G. Donald, M.B., Ch.B., D.P.H.	20	4
11	Hartlepool Borough Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	M. W. Rodgers, M.B., B.Ch., B.A.O., D.P.H.	28	4
12	Stockton Borough	H. J. Peters, M.B., B.Hy., D.P.H., D.P.A.	14	11

NATIONAL ASSISTANCE ACT, 1948.

WELFARE SERVICES.

Residential Accommodation.—The following statement indicates the number of persons provided with residential accommodation and the number of hospital patients in premises under the control of the Health Committee at the end of the year.—

	<i>Home.</i>	<i>Residential Accommodation</i>		
		<i>Beds Provided</i>	<i>Beds Occupied</i>	<i>Hospital Patients</i>
<i>In Homes controlled by the Welfare Sub-Com- mittee</i>	Barnard Castle	86	75	47
	Houghton-le- Spring	93	93	42
	Sedgefield	76	76	
	Easington	35	35	
	Weardale House, Stanhope	58	58	
	Newtown House, Stanhope	25	25	
	Whickham	18	18	
	Bishop Auckland	12	12	
<i>In Hospitals transferred to the Regional Hospital Board on 5th July, 1948</i>	Chester-le-Street	49	47	
	Durham	59	59	
	Easington	47	47	
	Lanchester	62	62	
	Stockton	66	62	
	Darlington		6	
<i>In Homes controlled by the neighbouring County Boroughs</i>	Gateshead		47	
	South Shields		31	
	Sunderland		2	
	West Hartlepool		11	
<i>In Special Homes in other parts of the country</i>			35	
	Totals		801	89

Whickham Hostel.—The Hermitage, Whickham, which provides accommodation for 18 males was opened officially on 11th January.

Newtown House, Stanhope.—This hostel, formerly known as the Newtown Hotel, was officially opened on the 6th November. 25 women are at present accommodated, but this number will be increased to 30.

WELFARE OF THE BLIND AND OTHER HANDICAPPED PERSONS.

The number of blind persons on the County Council's register on the 31st December was 1,952 or 49 less than at the end of 1950. During the year the names of 280 blind persons were added to the register, 20 persons who had been registered as "blind" were certified "not blind" and their names removed from the register and 309 died or left the county area. Of the 20 persons certified "not blind" sight had been

restored in 14 cases after surgical treatment. The five part-time ophthalmologists appointed by the County Council carried out 432 eye examinations. These cases are classified as follows.—

First examinations.—

No. certified 'blind'	.....	219
do. 'not blind'	....	139

Re-examinations.—

No. certified 'blind'	.....	26
do. 'not blind'	....	48

At the end of the year the number of partially sighted persons registered was 194.

The following information relates to trained blind persons in employment at the end of the year.—

	<i>Institution Workers.</i>	<i>Home Workers.</i>
Royal Institution for the Blind, Sunderland	36	—
Cleveland & South Durham Institute for the Blind, Middlesbrough	16	—
Hartlepoons Workshops for the Blind, West Hartlepool	1	—
National Library for the Blind, Braille Copyist	—	2
Catholic Blind Asylum, Liverpool	1	—

On the 31st December the number of trained but unemployed blind persons was 6 and the number of blind persons in Homes for the blind was 10.

TUBERCULOSIS.

INCIDENCE AND MORTALITY.

The number of primary notifications of respiratory tuberculosis received during the year was 1,053 and of non-respiratory tuberculosis 182 compared with 1,060 and 205 respectively in 1950. (See Tables 26 to 30). The figures for non-respiratory tuberculosis (88 males and 94 females) are the lowest on record. The total notifications for the year (1,235) show a reduction of 30 compared with 1950 and give an incidence rate for all forms of tuberculosis of 1.37 per 1,000 population, the rate for 1950 being 1.39.

Table 32 gives the number of deaths from respiratory and non-respiratory tuberculosis by age periods and in the separate county districts and areas.

The number of deaths from respiratory tuberculosis has decreased by 35 (25 males, 10 females) compared with last year. The deaths from non-respiratory tuberculosis (48) show a decrease of 8 and were fewer than in any previous year for which records are available.

TABLE 26.

ADMINISTRATIVE COUNTY OF DURHAM, TUBERCULOSIS—
New Cases and Deaths, 1930-1951.

Year.	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
1930	493	488	401	366	404	367	124	99
1931	493	446	372	356	343	327	116	89
1932	506	477	450	406	353	326	126	85
1933	447	419	343	328	368	303	72	72
1934	456	396	321	297	342	312	75	67
1935	376	376	306	248	315	295	79	63
1936	384	380	298	275	298	256	72	63
1937	406	334	272	258	268	255	65	68
1938	339	317	302	293	270	200	57	67
1939	410	295	266	254	292	217	67	54
1940	380	291	226	248	290	236	45	37
1941	388	382	241	240	299	243	55	51
1942	367	390	248	244	245	190	68	55
1943	438	398	240	290	296	218	64	26
1944	445	469	235	246	233	190	51	49
1945	527	386	249	265	255	203	48	56
1946	604	447	202	183	231	199	64	47
1947	534	474	166	172	253	263	58	38
1948	595	532	146	149	200	236	58	34
1949	552	515	127	146	240	188	39	35
1950	682	607	113	130	220	136	34	22
1951	654	525	102	110	195	126	26	22

TABLE 29.

ADMINISTRATIVE COUNTY OF DURHAM. 1951.—Notifications of tuberculosis in each urban and rural district of the administrative county during the period 1st January, 1951 to 31st December, 1951.

District.	Primary Notifications of new cases of Tuberculosis.			
	Respiratory.		Non-respiratory.	
	Males.	Females	Males.	Females
<i>Area No. 1.</i>				
Blaydon U.D.	23	13	5	1
Ryton U.D.	9	6	3	—
Whickham U.D.	14	21	3	—
<i>Area No. 2.</i>				
Jarrow M.B.	33	32	3	5
Felling U.D.	38	28	2	9
Hebburn U.D.	19	20	3	4
<i>Area No. 3.</i>				
Consett U.D.	36	28	4	7
Stanley U.D.	45	36	8	7
Lanchester R.D.	12	8	2	6
<i>Area No. 4.</i>				
Chester-le-Street U.D.	6	11	1	3
Chester-le-Street R.D.	33	21	7	7
<i>Area No. 5.</i>				
Boldon U.D.	5	7	3	—
Hetton U.D.	13	9	4	—
Houghton-le-Spring U.D.	16	24	3	6
Washington U.D.	10	10	4	2
Sunderland R.D.	24	14	1	1
<i>Area No. 6.</i>				
Crook & Willington U.D.	8	2	1	—
Tow Law U.D.	—	3	—	—
Weardale R.D.	4	5	1	2
<i>Area No. 7.</i>				
Durham M.B.	12	12	2	2
Brandon & Byshottles U.D.	8	5	—	1
Durham R.D.	24	15	6	7
<i>Area No. 8.</i>				
Seaham U.D.	16	20	4	1
Easington R.D.	25	31	3	6
<i>Area No. 9.</i>				
Barnard Castle U.D.	3	3	—	—
Barnard Castle R.D.	2	5	1	—
<i>Area No. 10.</i>				
Bishop Auckland U.D.	16	11	—	2
Sildon U.D.	8	5	—	—
Spennymoor U.D.	9	16	3	4
<i>Area No. 11.</i>				
Hartlepool M.B.	11	9	—	2
Billingham U.D.	11	3	3	1
Darlington R.D.	—	1	—	—
Sedgefield R.D.	29	7	3	4
Stockton R.D.	1	2	—	—
<i>Area No. 12.</i>				
Stockton M.B.	47	40	5	4
ADMINISTRATIVE COUNTY	570	483	88	94

ADMINISTRATIVE COUNTY OF DURHAM, 1951—Tuberculosis Notifications.

AGE PERIODS	Number of Primary Notifications of new cases of tuberculosis														Total (all ages)
	0—	1—	2—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—		
Respiratory, Males	4	12	18	37	18	54	63	113	78	82	69	19	3	570	
Respiratory, Females	3	3	23	21	33	87	113	103	45	24	15	11	2	483	
Non-Respiratory, Males	—	4	8	17	15	7	5	11	7	10	2	2	—	88	
Non-Respiratory, Females	1	2	12	18	12	12	14	12	7	3	1	—	—	94	

TABLE 28.

ADMINISTRATIVE COUNTY OF DURHAM, 1951.—New cases of tuberculosis coming to the knowledge of the County Medical Officer of Health otherwise than by Formal Notification.

SOURCES OF INFORMATION		Number of cases in age Groups													TOTAL
		0—	1—	2—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	
Death Returns from Local Registrars	M	—	—	—	—	1	—	—	3	—	2	11	2	—	
	F	—	—	—	—	—	—	—	1	2	1	1	1	—	
	M	—	—	—	—	—	—	—	1	1	—	1	—	—	
	F	—	—	—	—	—	—	—	—	—	—	—	—	—	
Death Returns from Registrar- General (Trans- ferable deaths)	M	—	—	—	—	—	—	—	—	1	1	—	—	1	
	F	—	—	—	—	—	—	—	1	—	9	3	1	1	
	M	—	—	—	—	—	1	—	2	1	1	1	—	—	
	F	—	—	—	—	—	—	—	—	—	—	—	—	—	
Posthumous Noti- fications	M	—	—	1	2	—	1	—	—	1	2	—	—	1	
	F	—	1	3	—	1	—	—	—	—	—	—	—	8	
	M	—	1	1	—	—	1	—	—	—	—	—	1	6	
	F	—	—	—	—	—	—	—	1	—	2	—	—	6	
“Transfers” from Other Areas (excluding transferable deaths)	M	1	1	—	—	—	—	—	—	—	—	1	—	3	
	F	—	—	—	—	—	—	—	—	—	—	—	—	1	
	M	—	—	1	1	—	—	—	—	4	4	2	—	44	
	F	—	—	—	—	—	3	13	9	2	1	—	—	28	
Other Sources	M	—	—	—	1	—	2	1	2	—	—	—	—	6	
	F	—	—	—	—	—	—	—	—	—	—	—	—	—	
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	
	F	—	—	—	—	—	—	—	—	—	—	—	—	—	
TOTALS	(A)	—	—	—	—	—	—	—	—	—	—	—	—	84	
	(B)	—	—	—	—	—	—	—	—	—	—	—	—	42	
	(C)	—	—	—	—	—	—	—	—	—	—	—	—	14	
	(D)	—	—	—	—	—	—	—	—	—	—	—	—	16	

TABLE 30.

ADMINISTRATIVE COUNTY OF DURHAM.—Primary Notifications of Tuberculosis, 1941-1951.

Year	Respiratory.	Non-Respiratory.	Totals.
1941	692	400	1,092
1942	701	438	1,139
1943	741	444	1,185
1944	801	399	1,200
1945	754	423	1,177
1946	956	352	1,308
1947	925	307	1,232
1948	1,047	269	1,316
1949	917	228	1,145
1950	1,060	205	1,265
1951	1,053	182	1,235

TABLE 31.

ADMINISTRATIVE COUNTY OF DURHAM, 1951.—Tuberculosis New Cases and Mortality.

Age Period.	New Cases				Deaths.			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0	4	3	1	1	—	—	2	—
1	33	26	14	18	2	—	7	5
5	38	21	19	19	—	—	3	2
10	19	33	15	13	2	1	1	3
15	55	92	8	14	5	4	3	1
20	73	127	5	15	8	25	—	2
25	139	115	12	14	28	32	1	1
35	83	50	9	8	23	18	2	2
45	97	27	12	4	51	18	2	2
55	87	17	4	1	56	14	4	2
65 and upwards	26	14	3	3	20	14	1	2
Totals	654	525	102	110	195	126	26	22

TABLE 33.

ADMINISTRATIVE COUNTY OF DURHAM.—Respiratory Tuberculosis Death-rates, 1947-51.

Rate per 1,000 Living.	1947	1948	1949	1950	1951
Municipal Boroughs	0.73	0.59	0.67	0.47	0.42
Other Urban Districts	0.65	0.53	0.45	0.40	0.38
Rural Districts	0.43	0.37	0.42	0.34	0.29
Administrative County	0.59	0.49	0.47	0.39	0.36*
England and Wales	0.47	0.44	0.40	0.32	0.27†

*This death-rate of 0.36 per 1,000 population is the lowest on record for this administrative county.

†Provisional.

TABLE 34.

ADMINISTRATIVE COUNTY OF DURHAM.—Non-Respiratory Tuberculosis Death-rates, 1947-51.

Rate per 1,000 Living.	1947	1948	1949	1950	1951
Municipal Boroughs	0.16	0.11	0.08	0.11	0.06
Other Urban Districts	0.11	0.09	0.07	0.06	0.05
Rural Districts	0.13	0.12	0.11	0.04	0.05
Administrative County	0.11	0.10	0.08	0.06	0.05*
England and Wales	0.08	0.07	0.05	0.04	0.04†

*This death-rate of 0.05 is the lowest on record for this administrative county.

†Provisional.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

Tables 35 to 39 give particulars of cases of infectious diseases occurring during the year, the mortality from the principal infective diseases, and the numbers admitted to isolation hospitals.

Scarlet Fever.—There were 1,303 cases and 854 were admitted to hospital. No deaths were registered. The corresponding figures for 1950 were 1,393, 1,069 and NIL respectively.

Whooping Cough.—The number of cases (3,597) showed a slight increase (107) but the deaths decreased by 3 to 9 when compared with the previous year. All the deaths were of children under 5 years of age, 6 being under 1 year. The death-rate was 0.01 per 1,000 population and the case mortality 0.25 per cent.

TABLE 32

ADMINISTRATIVE COUNTY OF DURHAM, 1951.

Deaths from Tuberculosis.

District.	RESPIRATORY.																								Deaths from Tuberculosis.																									
	Under 1 year		1-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-and upwards		Total.		Under 1 year		1-4		5-9		10-14		Non-RESPIRATORY.		15-19		20-24		25-34		35-44		45-54		55-64		65 and upwards		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F				
Area No. 1. Blaydon U.D. Ryton U.D. Whickham U.D.	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	1	3	2	2	3	2	—	9	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 2. Jarrow M.B. Felling U.D. Hebburn U.D.	—	—	—	—	—	—	—	1	—	1	1	4	3	3	1	1	3	1	—	—	—	11	8	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 3. Consett U.D. Stanley U.D. Lanchester R.D.	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	4	—	—	—	5	2	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 4. Chester-le-Street U.D. Chester-le-Street R.D.	—	—	—	—	—	—	—	—	—	—	—	—	1	2	—	—	4	1	1	—	—	7	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 5. Boldon U.D. Hetton U.D. Houghton-le-Spring U.D. Washington U.D. Sunderland R.D.	—	—	1	—	—	—	—	—	—	1	—	1	1	—	1	—	—	—	—	1	—	5	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 6. Crook & Willington U.D. Tow Law U.D. Weardale R.D.	—	—	—	—	—	—	—	1	1	—	1	3	—	—	—	1	1	—	5	—	1	—	11	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 7. Durham M.B. Brandon&ByshottlesU.D. Durham R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 8. Seaham U.D. Easington R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 9. Barnard Castle U.D. Barnard Castle R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 10. Bishop Auckland U.D. Shildon U.D. Spennymoor U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 11. Hartlepool M.B. Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 12. Stockton M.B.	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ADMINISTRATIVE COUNTY	—	—	2	—	—	—	2	1	5	4	8	25	28	32	23	18	51	18	56	14	20	14	195	126	2	—	7	5	3	2	1	3	3	1	—	2	1	1	2	2	2	2	4	2	1	2	26	22		



TABLE 35.
ADMINISTRATIVE COUNTY OF DURHAM, 1951.—Final numbers of Infectious Diseases after correction.

	Scarlet Fever		Whooping Cough		Acute Poliomyelitis				Measles (excluding rubella)		Diphtheria			Acute Pneumonia	Dysentery	Smallpox		Acute Encephalitis				Enteric or Typhoid fever	Paratyphoid Fevers		Erysipelas		Meningococcal Infection		Food Poisoning		*Puerperal pyrexia		*Ophthalmia Neonatorum				
	Paralytic	Non-Paralytic	M.	F.	M.	F.	M.	F.										M.	F.	M.	F.														M.	F.	M.
Numbers Originally Notified	629	697	1749	1863	17	7	3	8	5786	5537	60	85		621	504	148	159	—	—	1	2	2	1	4	8	6	11	46	42	57	31	22	22	—	61	9	5
Finals numbers after correction																																					
0—	5	7	175	191	—	—	—	—	311	280	—	—	0—	193	171	46	43	—	—	—	1	—	—	1	1	3	4	—	1	12	10	5	2	—	—	—	—
1—	61	52	523	553	5	2	—	1	1604	1506	1	3	5—	57	43	34	37	—	—	3	—	1	—	—	1	1	1	1	3	10	6	1	1	—	—	—	—
3—	168	156	601	611	1	—	2	—	2148	1983	1	2	15—	142	90	38	45	—	—	—	1	—	—	2	2	—	2	13	11	7	2	6	9	—	—	—	—
5—	295	349	419	466	2	1	2	—	1669	1703	4	4	45—	132	85	11	15	—	—	—	—	—	—	—	1	1	1	20	13	2	—	4	5	—	—	—	—
10—	57	87	11	14	2	—	1	2	41	39	2	5	65 and over	82	101	7	8	—	—	—	—	—	—	—	1	—	2	11	13	—	—	—	2	—	—	—	—
15—	22	25	2	4	2	1	3	1	11	21	2	3	Age unknown	2	2	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25 and Over	9	6	5	16	2	—	—	3	4	5	—	1																									
Age Unknown	3	1	2	4	—	—	—	—	6	5	—	—																									
TOTALS	620	683	1738	1859	14	4	8	7	5794	5542	10	18		608	492	137	149	—	—	3	2	1	—	3	6	5	10	45	41	31	18	16	19	—	56	9	5

*Age not specified.



TABLE 36.

ADMINISTRATIVE COUNTY OF DURHAM, 1951.—Corrected Number of certain Infectious Diseases notified and number removed to Isolation Hospitals in each sanitary district.

DISTRICTS.	Est. Popula- tion 1951	Scarlet Fever		Whoop- ing Cough		Diph- theria		Measles		Pneu- monia		Menin- gococ- cal Infection		Acute Poliomyelitis		Acute Encephalitis		Dysent- ery	Oph- thalmia Neona- torum	Puer- peral Pyrexia	Small- pox	Para- Typhoid Fever	Enteric or Typhoid fever	Food Poisoning	Erysi- pelas	Chicken Pox	Malaria	Totals														
		No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital											No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital			
AREA No. 1. Blaydon U.D. Ryton U.D. Whickham U.D.	30,500 13,680 22,790	43 33 30	23 10 11	54 33 115	— — —	— — —	4 1 —	558 179 290	1 — 1	20 3 21	1 — 4	1 — —	1 — 1	3 1 —	1 — —	— — —	— — 1	6 5 116	— 1 1	1 — 1	— — —	2 — 2	1 — 3	— — —	4 — —	1 — —	— — —	— — —	— — —	— — —	— — —	694 255 577	33 14 23									
AREA No. 2. Jarrow M.B. Felling U.D. Hebburn U.D.	28,560 25,190 23,140	25 47 34	21 31 33	285 222 291	— 3 —	1 2 2	1 — 2	922 332 404	3 2 2	102 31 52	1 11 16	3 — 1	1 1 1	2 — 1	2 — 1	— — —	— 1 —	11 2 2	— 1 —	2 — —	2 1 —	— — —	— — —	— — —	— — —	5 — 2	— — —	— — —	1 — —	— — —	— — —	1356 640 789	26 53 55									
AREA No. 3. Consett U.D. Stanley U.D. Lanchester R.D.	39,020 48,110 15,300	24 104 15	10 37 14	85 212 53	3 4 —	— 1 —	1 17 3	740 803 288	9 3 1	9 92 11	1 36 7	2 — —	5 9 1	— 1 —	— — 5	— — —	3 — —	3 — —	5 112 —	5 3 —	— — —	1 2 —	1 — —	— 2 —	— — —	— — —	1 15 —	1 2 —	4 12 1	— 2 —	— — —	— — —	874 1361 368	39 114 26								
AREA No. 4. Chester-le-Street U.D. Chester-le-Street R.D.	18,210 40,670	11 133	9 127	16 120	— —	— 2	3 16	106 224	9 —	26 114	13 68	2 1	2 2	— 1	— 2	— —	1 —	— —	1 1	2 —	— 1	1 3	1 5	— —	1 —	— 3	4 3	1 —	1 —	— 1	1 —	— —	— —	166 605	45 224							
AREA No. 5. Baldon U.D. Hetton U.D. Houghton-le-Spring U.D. Washington U.D. Sunderland R.D.	16,740 18,380 30,600 17,720 25,610	6 11 22 8 11	— 5 9 5 1	48 79 55 9 250	1 — 1 — 1	— 2 — 3 1	— 3 — 5 1	65 315 203 49 196	1 — — — —	3 45 15 9 61	— — 2 7 1	— — 1 — —	— 2 — 1 —	— 3 — 1 —	— — 1 — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	1 1 — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	122 457 300 79 525	6 13 14 20 8										
AREA No. 6. Crook & W'gton U.D. Tow Law U.D. Weardale R.D.	27,520 3,164 9,095	54 10 10	53 16 9	52 13 39	— — —	— — 1	5 1 1	128 15 82	— — —	24 2 2	— — —	4 — —	4 — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	1 — —	— — —	3 — 6	— — —	— — —	— — —	265 40 140	63 10 10								
AREA No. 7. Durham M.B. Brandon & Byshottles U.D. Durham R.D.	20,240 19,620 33,560	10 23 58	7 12 21	80 161 126	— — 2	2 2 1	4 225 336	205 — —	— 1 5	7 4 45	— 1 6	8 1 2	— — 4	— — —	1 — 1	1 — —	— — —	— — —	2 2 —	— 1 2	— — —	— 1 3	— — —	— — —	— — —	— — —	1 — —	— — —	— — —	— — —	— — —	— — —	316 417 579	12 20 57								
AREA No. 8. Seaham U.D. Easington R.D.	25,920 81,700	24 121	1 8	30 155	— 6	— —	6 23	549 1222	1 6	52 72	4 3	1 1	1 10	1 —	2 —	— —	1 —	— —	2 4	3 2	1 —	— —	4 5	3 1	— —	— 3	1 3	— —	4 3	4 3	4 5	— —	— —	— —	672 1592	27 65						
AREA No. 9. Barnard Castle U.D. Barnard Castle R.D.	4,606 17,860	5 32	3 21	4 65	— —	— —	— —	27 132	— —	3 12	— —	— 1	— 2	1 —	2 —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	2 1	— —	— —	— —	42 248	6 23							
AREA No. 10. Bishop Auckland U.D. Shildon U.D. Spennymoor U.D.	35,910 14,420 19,740	61 34 31	49 34 35	123 126 72	2 — 1	— 1 3	2 — 5	175 338 56	1 — —	31 31 19	— — 1	2 2 3	3 — —	— — —	— — —	— — —	— — —	— — —	3 2 —	3 1 —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	2 — —	1 1 3	— — —	— — —	— — —	— — —	399 535 195	61 35 48							
AREA No. 11. Hartlepool M.B. Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	16,990 23,770 12,040 36,140 8,425	12 53 2 93 9	1 55 2 89 1	37 35 31 58 35	— — — — —	— 1 — — 1	— 5 — 3 1	234 465 79 137 212	— 1 — 2 —	5 29 4 16 20	— 5 — — —	1 — — 1 1	1 — 2 2 1	— 1 — — —	— 2 — 1 —	— — — — —	— — — — —	— — — — —	1 — — — —	— 2 — — —	13 1 — — —	— 1 — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	305 641 120 326 283	2 73 2 99 4								
AREA No. 12. Stockton M.B.	73,660	104	97	378	36	4	16	1045	17	108	32	7	9	3	3	1	3	—	4	18	1	—	8	4	—	—	1	—	—	2	4	13	—	—	—	1677	241					
ADMINISTRATIVE COUNTY	898,600	1303	854	3597	60	28	140	11336	65	1100	220	49	67	18	18	15	11	5	4	1	1	286	46	14	4	56	25	—	—	15	14	9	15	35	18	86	6	6	2	1	117960	1571

Diphtheria.—Only 28 cases were confirmed compared with 83 in 1950. One death was registered, a child aged 6 years who had not been immunised. In 1950 there were 4 deaths.

Measles.—The number of cases (11,336) remained almost the same. Admissions to hospital increased from 27 to 65 but the number of deaths was reduced from 13 to 6. The peak notification period was in the second quarter when over 400 notifications were received for several weeks, the average weekly notification rate in the last quarter dropped to approximately 100. The case rate was equal to 12.6 per 1,000 population and the case mortality rate was 0.05 per cent.

Pneumonia.—Deaths increased from 331 in 1950 to 383 in 1951 although the number of cases (1,100) remained substantially the same. More than half the cases occurred in the first quarter of the year and 219 notifications were received in the first fortnight.

Meningococcal Infections.—During the year there were 49 cases and 11 deaths. In 1950 the figures were 44 and 9 respectively.

Acute Poliomyelitis.—A considerable decrease in the number of cases (from 142 to 33) was accompanied by a fall in the number of deaths from 10 to 2.

Acute Encephalitis.—The number of cases (6) remained the same as last year with a decrease in deaths from this disease from 4 to 1.

Dysentery.—Fewer cases (286) occurred but again the majority were from Whickham Urban District (116) and Stanley Urban District (112). There was a noticeable decrease in the notifications from these two areas in the last quarter of the year, only 2 cases being notified in Stanley and 4 in Whickham.

Enteric or Typhoid Fever.—The numbers were the same as last year, 9 cases and no deaths.

Food Poisoning.—There was no outbreak of major importance during 1951 only 35 confirmed cases being recorded compared with 350 in the previous year.

Influenza.—The number of deaths registered was 243 equal to a death-rate of 0.27 per 1,000 population compared with 114 deaths and a death-rate of 0.12 in 1950. The large increase was due to an outbreak of the disease in January. Most of the deaths occurred in the higher age groups.

Diarrhoea and Enteritis (under 2 years of age).—The number of deaths registered was 32 compared with 45 in 1950. Death-rates for these two years were 0.04 and 0.05 respectively while the rate per 1,000 births registered was 2.02 and 2.79 respectively.

Reimbursement of notification fees.—In accordance with the National Health Service Act, 1946, the County Council reimbursed £2,228 11s. 0d. to district councils for notifications of infectious diseases fees paid to medical practitioners. In 1950 the sum reimbursed was £2,388 11s. 6d.

TABLE 37.

ADMINISTRATIVE COUNTY OF DURHAM, 1951.—Notifiable Diseases.
Corrected number of cases, Admissions to Hospital and Deaths.

Diseases.	Cases	Cases admitted to Hospital.	Deaths
Scarlet Fever	1,303	854	—
Whooping Cough	3,597	60	9
Diphtheria	28	140	1
Measles	11,336	65	6
Pneumonia	1,100	220	383
Meningococcal Infections	49	67	11
Acute Poliomyelitis.—			
Paralytic	18	18	} 2
Non-Paralytic	15	11	
Acute Encephalitis.—			
Infective	5	4	} 1
Post-Infectious	1	1	
Ophthalmia Neonatorum	14	4	—
Puerperal Pyrexia	56	25	4
Smallpox	—	—	—
Para-Typhoid Fever	15	14	—
Enteric or Typhoid Fevers	9	15	—
Erysipelas	86	6	—
Malaria	1	1	—

TABLE 38.
ADMINISTRATIVE COUNTY OF DURHAM—Corrected number of cases of certain Infectious Diseases notified, 1942-1951.

	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	Mean of 10 years
Smallpox	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	1,972	2,341	1,722	1,413	1,450	2,059	2,652	1,658	1,393	1,303	1,796
Diphtheria	2,007	1,961	1,370	971	557	240	257	130	83	28	760
Enteric and Para- Typhoid Fevers	17	19	18	15	25	25	6	63	17	24	23
Puerperal Pyrexia	94	77	75	73	71	75	72	54	50	56	70
Erysipelas	299	354	320	254	219	197	278	176	184	86	237
TOTALS	4,389	4,752	3,505	2,726	2,322	2,596	3,265	2,081	1,727	1,497	2,886
Attack Rate per 1,000 Living	5.3	5.9	4.3	3.3	2.7	2.9	3.7	2.3	1.9	1.7	3.3

TABLE 39.
ADMINISTRATIVE COUNTY OF DURHAM.—Deaths and Death-rate from the seven principal Infective Diseases, 1942 to 1951.

	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	Mean of 10 years
Estimated Population	820,800	812,000	822,100	828,340	863,530	870,380	889,597	903,030	908,333	898,600	861,671
Smallpox	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	1	5	1	1	4	6	2	1	—	—	2
Diphtheria	90	83	48	33	17	8	6	4	4	1	30
Enteric Fever	3	1	4	5	1	—	—	—	—	—	1
Measles	15	33	7	22	14	17	15	3	13	6	15
Whooping Cough	21	35	15	7	25	18	14	17	12	9	17
Diarrhoea and Enteritis under 2 years	98	81	113	94	81	122	61	76	45	32	80
TOTAL DEATHS	228	238	188	162	142	171	98	101	74	48	145
Deaths per 1,000 Population	0.28	0.29	0.23	0.20	0.16	0.20	0.11	0.11	0.08	0.05	0.17

VENEREAL DISEASES.

The treatment and diagnosis of venereal disease is not now the responsibility of the County Council and the figures in Table 40 have been compiled from returns received from various authorities.

During the year the following visits were made by the Social Worker.—

Patients who have defaulted from treatment	448
Contact tracing visits	41
Patients referred from ante-natal clinics	5
Miscellaneous visits	63

At the request of the South Shields County Borough Council the contact tracing in this Borough is undertaken by the County Council Social Worker and these figures include 42 defaulter visits and 35 contact visits completed in South Shields County Borough.

TABLE 40.
ADMINISTRATIVE COUNTY OF DURHAM, 1951.—Numbers of Venereal Diseases patients treated for the first time.

	Treatment Centres.								
	Durham County Hosp.	Stockton and Thor'by Hosp.	New- castle General Hosp.	South Shields Municipal Clinic.	Royal Infir. Sunder- land.	Health Centre. West Hartle- pool.	Green- bank Hosp. Dar- lington.	General Hospital Middles- brough.	Grimsby. Total
Syphilis	23	14	59	4	27	7	8	12	— 154
Gonorrhoea	30	17	75	6	44	9	15	14	— 210
Other Conditions	89	98	399	37	187	34	28	63	1 936
Totals	142	129	533	47	258	50	51	89	1 1300

CANCER.

Table 41 gives comparative statistics in respect of cancer mortality for this administrative county and England and Wales for the past ten years. Table 42 gives the number of cancer deaths in each sanitary district during 1951 tabulated to show the organs affected together with the sex and age periods.

TABLE 41.

YEAR	DURHAM COUNTY.		ENGLAND AND WALES.	
	Deaths	Death-rate	Deaths	Death-rate
1942	1,261	1.54	70,139	1.83
1943	1,327	1.64	71,814	1.90
1944	1,287	1.57	71,688	1.90
1945	1,449	1.75	74,291	1.95
1946	1,421	1.65	75,748	1.86
1947	1,475	1.69	77,832	1.85
1948	1,518	1.71	79,528	1.86
1949	1,606	1.78	80,713	1.85
1950	1,615	1.78	82,721	1.89
1951	1,687	1.88	83,341	1.90

MILK (SPECIAL DESIGNATIONS)

(PASTEURISED AND STERILISED MILK) REGULATIONS,
1949.

At the end of the year there were 8 plants processing milk in the county. All were licensed to pasteurise undesignated milk, and six were permitted to use the special designation T.T. (Pasteurised). These plants were all inspected frequently. Difficulties were experienced at one dairy where equipment and methods of processing were not satisfactory but these were remedied by alterations to the premises and the installation of additional machinery. Routine samples continued to be taken of milk delivered to schools, and produced at hospital dairy farms. Details of the results of the examination of samples of milk are given in Table 43.

The Chief Inspector of Weights and Measures reported that fourteen samples of milk were found to be either deficient in milk fat or showing evidence of added water. It was decided that ten cases were suitable to take before the Justices, two were referred to the Agricultural Advisory Service, and in the other two cases it was thought a caution only was necessary.

TABLE 43.

ADMINISTRATIVE COUNTY OF DURHAM, 1951. —Results of examination of samples of raw and pasteurised milk collected by officers of the County Health Department.

	No. of samples taken	Methylene Blue Test.				Phosphatase Test.			Biological Test for Tuberculosis, etc.				
		Passed	Failed	Inconclusive	% Failed	Passed	Failed	% Failed	No. of samples taken	Negative	Positive	Inconclusive	% Positive
Pasteurised Milk (a) Dairies (b) Schools Total	398	389	3	6	0.8	387	11	2.8	32	32	—	—	—
	194	193	—	1	—	193	1	0.5	15	15	—	—	—
	592	582	3	7	0.6	580	12	2.0	47	47	—	—	—
Raw Milk (a) Farms (b) Schools Total	36	34	2	—	5.6	—	—	—	12	12	—	—	—
	7	4	3	—	42.9	—	—	—	3	3	—	—	—
	43	38	5	—	11.6	—	—	—	15	15	—	—	—
Pasteurised and raw milk total	635	620	8	7	1.3	580	12	2.0	62	62	—	—	—

ADMINISTRATIVE COUNTY OF DURHAM, 1951.—Deaths from cancer showing the organs affected, sex and age periods.

District.	Deaths at subjoined ages.										Buccal Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory System		Uterus	Other Female Genital Organs		Breast		Male Genital Organs		Urinary Organs		Skin (Scrotum excepted)		Brain and other parts of the Nervous System		Other or Unspecified Organs		TOTALS
	0-25	25-45	45-65	65-75	75 & Up	M.	F.	M.	F.	M.																						
AREA No. 1. Blaydon U.D. Ryton U.D. Whickham U.D.	1	7	24	9	5	1	12	14	6	3	4	2	—	—	6	3	1	1	—	—	—	—	—	—	—	—	—	—	4	3	31	34
	—	1	8	8	1	—	10	5	2	1	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	17	9	
	1	—	16	12	16	1	10	15	5	2	3	1	—	—	—	3	1	—	—	—	—	—	—	—	—	—	—	1	1	19	26	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 2. Jarow M.B. Felling U.D. Hebburn U.D.	1	3	32	16	8	2	13	13	9	3	3	—	—	1	5	3	1	1	—	—	—	—	—	—	—	—	—	3	—	35	25	
	1	3	14	18	10	1	14	12	3	1	1	—	—	—	4	4	1	4	—	—	—	—	—	—	—	—	2	1	25	21		
	—	4	18	7	4	—	10	6	7	2	—	—	—	—	—	4	1	1	—	—	—	—	—	—	—	—	—	—	—	25	12	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 3. Consett U.D. Stanley U.D. Lanchester R.D.	1	2	25	23	1	—	23	15	10	2	7	—	—	—	7	5	—	—	—	—	—	—	—	—	—	—	—	1	2	41	35	
	—	8*	33	21	19	2	25	14	9	4	5	2	—	—	9	1	2	1	—	—	—	—	—	—	—	—	2	1	2	42	39	
	3	3	9	7	12	—	11	6	2	—	1	1	—	—	—	4	2	1	—	—	—	—	—	—	—	—	1	2	1	19	15	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 4. Chester-le-Street U.D. Chester-le-Street R.D.	—	1	16	13	7	—	5	8	7	1	5	—	—	—	2	1	2	—	—	—	—	—	—	—	—	—	—	1	—	2	18	19
	—	2	32	18	14	2	21	12	8	2	5	1	—	—	3	5	1	—	—	—	—	—	—	—	—	—	—	1	4	38	28	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 5. Baldon U.D. Hetton U.D. Houghton-le-Spring U.D. Washington U.D. Sunderland R.D.	—	—	17	10	8	2	8	12	2	—	2	2	—	—	2	—	—	—	—	—	—	—	—	—	—	—	1	1	1	14	21	
	—	—	11	6	9	2	9	8	—	6	2	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	13	13	
	1	3	24	21	14	2	27	9	6	2	1	—	—	—	2	3	3	—	—	—	—	—	—	—	—	—	2	1	2	47	16	
	—	2	9	6	7	1	7	4	4	3	3	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	12	12	
AREA No. 6. Crook & Willington U.D. Tow Law U.D. Weardale R.D.	1	4	17	20	13	1	19	13	5	—	1	1	—	—	7	—	—	—	—	—	—	—	—	—	—	—	—	1	3	29	26	
	—	—	2	4	1	1	2	2	—	—	1	1	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1	6	8
	—	1	11	5	5	—	7	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	1	14	8	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 7. Durham M.B. Brandon & Byshottles U.D. Durham R.D.	1	2	11	8	3	—	4	4	3	2	3	—	—	—	—	5	1	—	—	—	—	—	—	—	—	—	—	2	—	11	14	
	—	6	18	9	7	1	11	10	4	1	3	1	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—	3	3	17	23	
	—	8	20	26	13	3	18	16	3	—	5	2	—	—	—	4	4	3	—	—	—	—	—	—	—	—	—	5	—	38	29	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 8. Seaham U.D. Easington R.D.	—	5	20	16	8	—	14	12	6	2	4	1	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	11	59	46	35	6	59	26	8	—	8	—	—	—	1	13	6	5	3	—	—	—	—	—	—	—	1	3	—	25	24	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96	58	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 9. Barnard Castle U.D. Barnard Castle R.D.	—	—	2	2	1	—	1	2	1	—	2	—	—	—	—	1	2	—	—	—	—	—	—	—	—	—	—	—	—	2	3	
	—	4	11	14	3	1	14	4	1	1	2	3	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	20	12	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 10. Bishop Auckland U.D. Shildon U.D. Spennymoor U.D.	1	6	27	29	7	1	24	15	9	3	4	3	—	—	3	5	2	—	—	—	—	—	—	—	—	—	—	3	—	39	31	
	—	2	9	10	5	—	9	7	3	1	—	2	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	13	13	
	—	2	19	15	13	—	11	9	6	6	3	1	—	—	—	4	1	3	—	—	—	—	—	—	—	—	—	3	1	24	25	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
AREA No. 11. Hartlepool M.B. Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	—	2	21	13	8	1	17	8	6	1	4	—	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—	1	—	25	19	
	—	2	13	8	4	2	9	7	4	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	17	10	
	—	2	4	10	3	1	10	4	—	—	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12	7	
	2	5	24	19	17	1	9	18	10	3	4	4	—	—	—	4	2	3	—	—	—	—	—	—	—	—	—	4	1	30	37	
AREA No. 12. Stockton M.B.	1	1	5	5	2	1	3	2	2	—	—	—	—	—	—	2	1	—	—	—	—	—	—	—	—	—	—	1	1	8	6	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	3	11	56	44	31	5	—	29	26	7	12	1	—	—	13	3	2	3	—	—	—	—	—	—	—	—	2	5	4	74	71	
	22	116	651	533	365	50	491	351	192	53	102	33	—	—	50	49	16	8	9	22	14	61	39	926	761							
ADMINISTRATIVE COUNTY																																

FOOD AND DRUGS ACT.

During the year 2,070 samples were analysed with the following results.—

No. of samples found to be genuine	1,949
No. of genuine samples below standard	12
No. of samples of doubtful quality	—
No. of samples of abnormal quality	—
No. of samples adulterated or below standard	62
No. of samples taken as Reference Samples	5
No. of samples taken as Appeal Samples	42
Percentage of milk samples found to be not genuine or below standard	4.42

WATER SUPPLIES.

During the year no major schemes were submitted for the construction and improvement of water supplies. Several minor schemes were investigated in conjunction with the officials concerned and where necessary suggestions were made for their improvement or amendment.

Water Act, 1945. Durham County Water (Draft) Order.—This Order provides for the extension to the limits of the Board in the rural districts of Barnard Castle, Chester-le-Street, Darlington, Durham and Sedgfield, and the Parish of Redworth in the Shildon Urban District. In each case the extension brings within the administrative area of the Board parts of the district already supplied by the Board, and is the result of mutual negotiation.

Durham Rural District.—Due to a number of adverse results in samples taken in the Sherburn Hill and Littletown area, discussions took place with the appropriate officials of the District Council, and the Deputy Engineer of the Durham County Water Board. An inspection was made of the treatment plant at Waskerley, when it was agreed that major alterations in progress were the reason for the adverse results. Suggestions for adjustments were made and later samples showed the supply to be again satisfactory.

Thornley Village, Tow Law.—The unsatisfactory condition of the water supply to this village remains unchanged. Schemes for augmenting the supply are still under consideration.

Bildershaw.—The scheme previously submitted by the Barnard Castle Rural District Council for taking a mains supply to houses and farms in the Bildershaw area proved to be too expensive and an alternative and more economical scheme is in course of preparation.

Low Middleton and Low Dinsdale.—A scheme submitted by the Darlington Rural District Council to provide a water supply to houses and farms in this area was approved last year, but finally proved too expensive. Further consideration is temporarily in abeyance.

Sedgfield Rural District.—Work on the scheme for providing a mains supply to the villages of Morden and Rushyford, the hamlets of Foxton, Thorpe Marches, Butterwick, Wynyard Station and Preston-le-Skerne together with a number of farms is continuing, the rate of progress being dependent on the availability of the necessary pipes.

Banesley Lane, Ravensworth.—The proposals of the Ministry of Works to remedy the unsatisfactory water supply to several farms and private dwellings in this area, due to the existing supply being affected by open cast coal workings, are in abeyance until the whole of the excavated material is replaced and consolidated.

DRAINAGE, SEWERAGE AND SEWAGE DISPOSAL.

Proposed Development, Leazes Lane, St. Helens, Auckland.—An application was received from Bishop Auckland Urban District Council for a grant towards the extension of a sewer to two private small holdings in Leazes Lane, at an estimated cost of £670. The scheme was considered necessary and approved by the Health Committee, but a grant was not recommended by the County Council.

Proposed Trunk Sewers and Sewage Disposal Works. South and South-East parts of Felling Urban District.—An application for a grant under Section 126 of the Local Government Act, 1948, towards a scheme estimated to cost £202,558, necessary to enable land to be developed for housing purposes (estimated population—1,600), was received from the Felling Urban District Council. The scheme was approved in general by the Health Committee, since when an Inquiry has been held by an Inspector of the Ministry of Housing and Local Government, when no objections to the scheme were forthcoming.

Fields Housing Estate, Shildon—Sewerage.—An application was received from the Shildon Urban District Council for a contribution under Section 307 of the Public Health Act, 1936, towards a proposed new sewer, estimated to cost £5,000, required to enable housing development to proceed on this site. The scheme was approved by the Health Committee and the County Council agreed to make a contribution, the amount to be decided later.

Proposed Sewage Disposal Works at Low Lands.—The question of providing sewers and sewage disposal works for the Cockfield, Esperley and Lands area is being actively pursued, and consideration has been given to proposed sites at Low Lands.

Gore Beck, Wheatley Hill.—Complaints were received regarding the condition of this Beck, due to the indiscriminate dumping of articles and lack of grading and cleansing. This matter was discussed with officials of the local authorities concerned, and other interested parties, when it was learned that a scheme of cleansing and regrading of the part of this Beck known as the Gassey Gutter was being carried out by the National Coal Board. Information was received from the General Manager, No. 3 Area, National Coal Board, that on completion of the present work a commencement would be made on the cleansing and regrading of the part of the Beck giving rise to the complaints.

Proposed Slurry Settling Pond, Wembley Washery Plant, Murton.—Plans for a concrete settling pond which should materially reduce the pollution of Murton Beck, have been considered and approved.

RURAL WATER SUPPLIES AND SEWERAGE ACT, 1944.

In connection with Section 2(2) of the above Act, the following schemes were approved by the County Council during the year.—

	<i>Estimated Cost.</i>
	<i>£</i>
(a) Durham Rural District Council Sewage Disposal Scheme—Coxhoe	120,450
(b) Durham Rural District Council Sewage Disposal Scheme—Sherburn	39,000

(This scheme was approved in 1950, at a cost of
£33,261.)

CLOSET ACCOMMODATION.

The following table gives the number and type of convenience in each sanitary district of the county at the end of 1951. In addition information is given in the table as to the conversions of ashpit privies and ash-closets into water-closets during the year.

TABLE 44.

DISTRICTS.	Total number in District			Ashpit Privies converted into Water-Closets	Ash Closets converted into Water-Closets
	Water-Closets	Ash-Closets	Ashpit Privies		
AREA No. 1.					
Aydon U.D.	9,359	246	153	—	14
vton U.D.	4,368	108	19	—	—
Whickham U.D.	6,892	131	—	—	1
AREA No. 2.					
arrow M.B.	9,711	7	—	—	—
elling U.D.	7,360	95	2	—	—
ebburn U.D.	6,452	7	—	—	—
AREA No. 3.					
onsett U.D.	12,163	385	62	8	58
tanley U.D.	12,169	2,029		80	
Manchester R.D.	3,826	536	238	1	1
AREA No. 4.					
hester-le-Street U.D.	4,928	384	—	—	45
hester-le-Street R.D.	11,288	1,553	240	—	102
AREA No. 5.					
Boldon U.D.	5,584	65	—	—	—
Hetton U.D.	5,453	358	17	—	54
Houghton-le-Spring U.D.	9,209	22	2	—	—
Washington U.D.	5,767	32	2	—	—
underland R.D.	6,860	—	237	3	—
AREA No. 6.					
Crook & Willington U.D.	5,104	3,890	115	—	52
Cow Law U.D.	291	594	—	5	—
Weardale R.D.	1,606	827	263	7	13
AREA No. 7.					
Durham M.B.	6,224	56	26	—	—
Brandon & Byshottles U.D.	4,290	1,917	34	3	230
Durham R.D.	7,659	1,203	69	24	44
AREA No. 8.					
Seaham U.D.	8,173	85	8	—	—
Easington R.D.	24,462	111	77	—	47
AREA No. 9.					
Barnard Castle U.D.	1,751	16	5	—	—
Barnard Castle R.D.	2,869	2,682	35	—	105
AREA No. 10.					
Bishop Auckland U.D.	7,939	4,123	190	35	252
Shildon U.D.	3,993	—	440	—	4
Spennymoor U.D.	2,601	3,423	83	—	92
AREA No. 11.					
Hartlepool M.B.	—	—	—	—	—
Billingham U.D.	6,529	—	35	1	—
Darlington R.D.	2,167	1,268		12	8
Sedgefield R.D.	10,951	562	100	3	15
Stockton R.D.	1,644	954	93	2	13
AREA No. 12.					
Stockton M.B.	25,860	—	—	—	—

* Information not available.

HOUSING

TABLE 45.

Statement as to the position of Housing schemes in the Administrative County of Durham on the 31st December, 1951.

(Figures supplied by the respective District Councils).

DISTRICTS.	Number of New Houses erected during the year	Number of such Houses occupied during the year	Remarks.
AREA No. 1. Blaydon U.D. Ryton U.D. Whickham U.D. ..	131 63 87	131 63 87	
AREA No. 2. Jarrow M.B. Felling U.D. Hebburn U.D.	154 212 86	154 212 86	including 4 flats
AREA No. 3. Consett U.D. Stanley U.D. Lanchester R.D.	121 118 78	121 114 78	12 built privately
AREA No. 4. Chester-le-Street U.D. Chester-le-Street R.D.	80 133	80 133	14 built privately
AREA No. 5. Boldon U.D. Hetton U.D. Houghton-le-Spring U.D. Washington U.D. Sunderland R.D.	237 114 136 76 248	237 114 136 76 248	4 built privately 12 built privately 14 built privately
AREA No. 6. Crook & Willington U.D. Tow Law U.D. Weardale R.D.	120 — 59	120 — 59	
AREA No. 7. Durham M.B. Brandon & Byshottles U.D. Durham R.D.	88 155 286	61 157 286	7 built privately
AREA No. 8. Seaham U.D. Easington R.D.	68 299	68 299	7 privately, 214 by Peter Development Corporation
AREA No. 9. Barnard Castle U.D. Barnard Castle R.D.	62 81	62 81	
AREA No. 10. Bishop Auckland U.D. Shildon U.D. Spennymoor U.D.	101 61 115	101 61 115	
AREA No. 11. Hartlepool M.B. Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	182 222 417 249 36	186 220 417 249 36	10 privately, 25 R.A.F. Married Quarters, 342 Aycliffe Development Corporation
AREA No. 12. Stockton M.B.	360	360	52 built privately
Totals	5,035	5,008	

TABLE A.

ADMINISTRATIVE COUNTY OF DURHAM, 1951.—Deaths by causes at various age periods.

	All Ages	Under 1 week.	Under 1 mth.	1—3 mths.	3—6 mths.	6—9 mths.	9—12 mths.	Under 1 Year	1—2 yrs.	2—5 yrs.	5—15 yrs.	15—25 yrs.	25—45 yrs.	45—65 yrs.	65—75 yrs.	75 & Upw
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	6	—	—	—	2	1	1	4	2	—	—	—	—	—	—	—
Whooping Cough	9	—	—	3	2	—	—	—	—	—	—	—	—	—	—	—
Diarrhoea	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteritis	45	—	5	10	6	5	5	31	1	—	—	—	—	—	—	—
Cerebro-Spinal Fever	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Encephalitis Lethargica	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	243	—	—	3	6	3	—	12	—	—	—	—	—	—	—	—
Influenza	1687	1	—	—	—	—	—	1	1	4	8	8	116	651	533	365
Cancer	23	—	—	—	1	—	—	—	—	—	3	5	9	4	1	—
Rheumatic Fever	20	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—
Appendicitis	62	1	—	5	3	4	4	17	1	4	1	2	10	15	11	1
Other Septic Diseases	321	—	—	—	—	—	—	—	—	2	3	42	101	139	29	5
Phthisis	30	—	—	—	1	—	1	2	5	5	9	6	3	—	—	—
Tuberculous-Meningitis	8	—	—	—	—	—	—	—	—	—	—	—	2	6	—	—
Abdominal Tuberculosis	10	—	—	—	—	—	—	—	—	—	—	—	1	4	—	3
Other Tuberculous Diseases	113	1	—	9	11	1	3	25	2	1	1	—	4	36	44	—
Bronchitis	286	4	10	30	40	22	7	113	8	6	4	—	13	61	81	—
Broncho-Pneumonia	65	—	1	2	1	2	—	6	1	1	1	2	6	24	24	—
Lobar Pneumonia	32	1	1	4	1	—	—	7	1	1	1	1	1	9	11	—
Pneumonia (All other forms)	5	—	—	—	—	—	—	—	—	—	—	—	—	2	3	—
Pleurisy	202	—	—	1	2	—	1	4	—	1	4	4	23	105	61	—
Other Diseases of Respiratory Organs	1	—	—	—	—	—	—	—	—	—	—	—	5	12	7	1
Alcoholism	25	—	—	—	—	—	—	—	—	—	—	—	—	56	56	—
Cirrhosis of Liver	152	—	—	—	—	—	—	—	—	1	7	4	28	—	—	—
Nephritis and Bright's Disease	4	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—
Puerperal Sepsis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Pregnancy, Childbirth and the Puerperal State	18	—	—	—	—	—	—	—	—	—	—	4	13	1	—	—
Congenital Malformation	108	52	16	20	10	4	2	104	3	—	—	—	—	—	—	—
Premature Birth	220	193	22	5	—	—	—	220	—	—	—	—	—	—	—	—
Congenital Debility	15	12	1	2	—	—	—	15	—	—	—	—	—	—	—	—
Marasmus, Atrophy	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Injury at Birth	31	26	2	2	—	—	—	30	1	—	—	—	—	—	—	—
Atelectasis	29	28	1	—	—	—	—	29	—	—	—	—	—	—	—	—
Meningitis (not Tuberculous)	18	—	2	—	3	2	—	7	1	1	1	1	4	—	—	—
Convulsions	9	—	1	4	2	1	—	8	—	1	—	—	—	1	2	—
Gastritis	4	—	—	—	—	—	—	—	—	—	—	—	—	1	5	1
Syphilis	19	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—
Organic Heart Disease	1080	—	1	—	1	—	—	2	—	1	1	17	83	402	573	1
Violent or Accidental Death excluding Suicide	361	1	1	3	8	—	—	13	6	17	21	43	108	108	34	11
Suffocation Overlaying	6	—	1	4	1	—	—	6	—	—	—	—	—	—	—	—
Burns and Scalds	3	—	—	—	—	—	—	1	1	1	—	—	—	—	—	—
Suicide	78	—	—	—	—	—	—	—	—	—	—	2	23	37	12	4
Arterio-Sclerosis	1709	—	—	—	—	—	—	—	—	—	—	1	37	605	1066	—
Senility	3197	—	—	—	—	—	—	—	—	—	—	—	—	1	—	3168
Cerebral Haemorrhage	214	—	—	—	3	—	3	6	4	5	8	16	86	261	239	1
Other Defined Diseases	626	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
Diseases ill-defined or unknown	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11101	320	66	107	105	45	28	671	42	55	77	161	717	2761	3054	3563



TABLE B.
POPULATION, BIRTH-RATE, DEATH-RATE, ETC., WITHIN THE ADMINISTRATIVE COUNTY OF DURHAM—1951.

DISTRICTS	Medical Officer of Health.	Area in Acres	Registrar General's estimated Resident Population 1951	Live Births.	Still Births.	Deaths.	Birth- rate	Death- rate	Death-rate from seven Principal Infective Diseases	Infant Mortality- rate per 1,000 Births.	Phtisis Death- rate	Total Tuber- culosis Death- rate	Lung Diseases Death- rate	Deaths occurring outside District included.	Deaths occurring within District excluded.
AREA No. 1. Blaydon U.D. Ryton U.D. Whickham U.D.	H. Russell, M.B., B.S., B.Hy., D.P.H. H. E. Dunstan, M.B., B.S., M.R.C.S. L.R.C.P. T. L. Kelly, M.B., B.S. (Acting)	9,235 5,145 6,074	30,500 13,680 22,790	495 229 382	13 1 7	378 175 264	16.2 16.7 16.8	12.4 12.8 11.6	0.03 — 0.04	36 44 29	0.49 0.51 0.57	0.49 0.51 0.57	0.62 0.07 0.53	105 51 81	9 5 34
		20,454	66,970	1,106	21	817	16.5	12.2	0.03	35	0.52	0.52	0.48	237	48
AREA No. 2. Jarrow M.B. Felling U.D. Hebburn U.D.	W. Campbell Lyons, M.B., Ch.B., D.P.H. (Acting) W. D. Millar, M.B., B.S., B.Hy. D.P.H. (Acting) Vacant.	1,697 3,349 1,554	28,560 25,190 23,140	498 442 446	11 16 19	394 304 271	17.4 17.6 19.3	13.8 12.1 11.7	0.11 0.04 0.04	64 27 52	0.67 0.67 0.69	0.70 0.83 0.73	0.74 0.32 0.86	101 102 78	12 8 4
		6,600	76,890	1,386	46	969	18.0	12.6	0.07	48	0.68	0.75	0.64	281	24
AREA No. 3. Consett U.D. Stanley U.D. Lanchester R.D.	Vacant. S. Ludkin, M.B., B.S., D.P.H. Do.	10,042 12,659 44,243	39,020 48,110 15,300	659 788 239	15 20 7	437 561 196	16.9 16.4 15.6	11.2 11.7 12.8	— 0.04 0.07	35 39 67	0.18 0.10 0.13	0.28 0.17 0.13	0.36 0.69 0.52	73 202 48	176 12 167
		66,944	102,430	1,686	42	1,194	16.5	11.7	0.03	42	0.14	0.21	0.54	323	355
AREA No. 4. Chester-le-Street U.D. Chester-le-Street R.D.	J. D. Trail, M.B., Ch.B., D.P.H. (Acting) A. Forster, M.B., B.S., D.P.H.	2,656 22,223	18,210 40,670	286 700	5 16	254 496	15.7 17.2	14.0 12.2	— 0.02	35 46	0.49 0.22	0.49 0.32	0.49 0.57	44 174	100 16
		24,879	58,880	986	21	750	16.7	12.7	0.02	43	0.31	0.37	0.54	218	116
AREA No. 5. Baldon U.D. Hetton U.D. Houghton-le-Spring Washington U.D. Sunderland R.D.	R. C. F. Smith, M.D., D.P.H. Lilian A. M. Johnston, B.Sc., M.B., Ch.B. D.P.H. Do. Do. R. C. F. Smith, M.D., D.P.H.	7,640 4,551 5,026 5,758 6,734	16,740 18,380 30,600 17,720 25,610	299 314 608 332 526	4 6 12 13 8	209 254 340 221 310	17.9 17.1 19.9 18.7 20.5	12.5 13.8 11.1 12.5 12.1	— — 0.07 0.06 0.04	33 38 30 42 46	0.42 0.22 0.13 0.17 0.47	0.48 0.38 0.13 0.28 0.47	0.54 0.71 0.52 0.73 0.82	59 76 103 50 89	5 1 30 — 205
		29,709	109,050	2,079	43	1,334	19.1	12.2	0.04	38	0.28	0.33	0.66	377	241
AREA No. 6. Crook & Willington U.D. Tow Law U.D. Weardale R.D.	F. Lishman, M.B., B.S. A. Charlton, M.B., B.S. D. Thomson, O.B.E., M.B., Ch.B.	15,476 477 99,513	27,520 3,164 9,095	394 58 108	15 3 3	372 43 161	14.3 18.3 11.9	13.5 13.6 17.7	0.07 — —	46 103 56	0.51 — 0.55	0.51 — 0.66	0.22 0.63 0.55	91 15 40	58 — 9
		115,466	39,779	560	21	576	14.1	14.5	0.05	54	0.48	0.50	0.33	146	67
AREA No. 7. Durham M.B. Brandon & Byshottles U.D. Durham R.D.	W. Aitchison, M.C., M.A., B.Sc., M.B., Ch.B., D.T.M.H., D.P.H. Do. Do.	4,048 8,224 34,598	20,240 19,620 33,560	292 343 592	7 8 11	222 250 402	14.4 17.5 17.6	11.0 12.8 12.0	0.05 0.20 0.06	48 52 49	0.25 0.15 0.42	0.35 0.15 0.54	0.49 0.76 0.57	20 62 105	319 4 13
		46,870	73,420	1,227	26	874	16.7	11.9	0.10	50	0.30	0.38	0.60	187	336
AREA No. 8. Seaham U.D. Easington R.D.	W. J. Peden, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M., D.P.H. J.E.D. Miller, M.B., B.S. (Acting)	2,469 34,653	25,920 81,700	471 1,468	13 37	290 947	18.2 18.0	11.2 11.6	— 0.07	21 40	0.31 0.27	0.35 0.32	0.27 0.49	89 267	16 45
		37,122	107,620	1,939	50	1,237	18.0	11.5	0.06	35	0.28	0.33	0.44	356	61
AREA No. 9. Barnard Castle U.D. Barnard Castle R.D.	J. G. Paley, M.R.C.S., L.R.C.P., D.P.H. Do.	559 110,118	4,606 17,860	66 269	2 12	86 244	14.3 15.1	18.7 13.7	— 0.11	45 33	0.22 0.34	0.22 0.34	0.22 0.28	27 76	41 13
		110,677	22,466	335	14	330	14.9	14.7	0.09	36	0.31	0.31	0.27	103	54
AREA No. 10. Bishop Auckland U.D. Shildon U.D. Spennymoor U.D.	H. G. Donald, M.B. Ch.B., D.P.H. P. V. Anderson, M.B., B.S. S. V. Tinsley, M.B., Ch.B.	9,332 4,970 7,543	35,910 14,420 19,740	676 257 365	7 5 17	526 195 248	18.8 17.8 18.5	14.7 13.5 12.6	0.06 0.07 —	36 47 38	0.61 0.35 0.76	0.61 0.49 0.96	0.64 0.28 0.41	62 67 100	234 3 5
		21,845	70,070	1,298	29	969	18.5	13.8	0.04	39	0.60	0.69	0.50	229	242
AREA No. 11. Hartlepool M.B. Billingham U.D. Darlington R.D. Sedgefield R.D. Stockton R.D.	J. L. Siddle, M.B., B.S., D.P.H. L. R. Benham, M.B., B.S., D.P.H. W. M. Rodgers, M.B., B.Ch., B.A.O., D.P.H. Do. G. S. Mather, M.B., Ch.B., D.P.H.	1,472 7,855 45,128 39,265 41,118	16,990 23,770 12,040 36,140 8,425	389 482 206 567 158	14 13 4 25 4	222 216 127 420 105	22.9 20.3 17.1 15.7 18.8	13.1 9.1 10.5 11.6 12.5	— 0.08 0.08 0.03 —	57 41 39 35 51	0.47 0.21 0.17 0.25 0.12	0.53 0.25 0.17 0.28 0.12	0.47 0.88 0.50 0.66 0.83	54 76 46 71 33	86 19 28 269 5
		134,838	97,365	1,802	60	1,090	18.5	11.2	0.04	43	0.26	0.29	0.68	280	407
AREA No. 12. Stockton M.B.	H. J. Peters, M.B., B.S., B.Hy., D.P.H. D.P.A.	5,465	73,660	1,402	37	961	19.0	13.0	0.12	54	0.37	0.42	0.68	223	129
ADMINISTRATIVE COUNTY		620,869	898,600	15,806	410	11,101	17.6	12.4	0.05	42	0.36	0.41	0.56	2,960	2,080



TABLE C.
DEATHS AT CERTAIN AGES AND FROM CERTAIN SPECIFIED CAUSES WITHIN THE ADMINISTRATIVE COUNTY OF DURHAM—1951.

DISTRICTS.	DEATHS AT SUBJOINED AGES.																	DEATHS FROM SUBJOINED CAUSES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	All Ages.	Under 1 week.	Under 1 month.	Under 3 months.	3-6 months.	6-9 months.	9-12 months.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and under 75 years.	75 and upwards.	Small-pox.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Measles.	Whooping Cough.	Diarrhoea and Enteritis.		Cerebro Spinal Fever.	Epileptics.	Erysipelas.	Influenza.	Cancer Malignant Disease.	Rheumatic Fever.	Appendicitis.	Other Septic Diseases.	Phthisis (Pulmonary Tuberculosis).	Tuberculous Meningitis.	Abdominal Tuberculosis.	Other Tuberculous Diseases.	Bronchitis.	Broncho-Pneumonia.	Lobar Pneumonia.	Pneumonia (all other forms).	Pleurisy.	Other Diseases Respiratory Organs.	Alcoholism.	Cirrhosis of Liver.	Nephritis and Bright's Disease.	Puerperal Sepsis.	Other Diseases Genitourinary, the Childbed State, Puerperal State.	Congenital Malformation.	Premature Birth.	Congenital Debility.	Marasmus, Atrophy.	Injury at Birth.	Alopecia.	Meningitis not Tuberculous.	Convulsions.	Gastritis.	Syphilis.	Organic Heart Disease.	Violent or Accidental Death excluding Suicide.	Suffocation, Overlying.	Burns, Scalds.	Suicide.	Arterio Sclerosis.	Senility.	Cerebral-Hæmorrhage.	Other Defined Diseases.	Diseases ill-defined or unknown.	UNCERTIFIED DEATHS.			TRANSFERS.																																																																																																																																																																																																																																																																																																																																																																																																																															
																							Under 2 years.	Over 2 years.																																												Under 1.	Under 5.	Over 5.	Unsettled cases.	Included.	Excluded.																																																																																																																																																																																																																																																																																																																																																																																																																													
AREA No. 1. Blaydon U.D. Ryton U.D. Whickham U.D.	378 175 262	2 2 2	3 1 12	3 1 1	1 1 1	1 1 1	1 1 1	18 10 11	1 1 1	1 1 1	2 5 3	5 12 4	26 7 15	102 46 66	114 53 64	109 57 99	—	—	—	—	—	—	1 1 1	—	—	—	—	—	3 3 3	65 28 45	1 1 1	1 1 1	15 7 13	—	—	—	—	6 1 10	11 1 1	1 1 1	1 1 1	—	9 7 4	—	1 1 1	3 4 2	—	—	—	2 2 3	7 4 7	—	—	1 2 2	2 1 1	1 1 1	1 1 1	36 16 25	6 3 3	—	—	3 2 3	71 24 36	100 50 84	6 7 3	26 15 14	—	1 1 1	1 1 1	29 16 16	12 19 16	105 51 81	5 5 34																																																																																																																																																																																																																																																																																																																																																																																																																													
AREA No. 2. Larrow M.B. Felling U.D. Hebburn U.D.	394 304 271	14 3 10	3 2 1	5 4 4	6 4 7	3 2 1	1 — —	32 12 23	2 — —	— 1 1	2 2 2	6 8 5	30 23 26	100 74 79	97 88 65	125 96 70	—	—	—	—	—	—	1 1 1	2 1 —	—	—	—	17 10 5	60 46 37	1 — —	—	2 1 4	19 17 16	—	—	7 5 5	11 3 3	3 3 3	—	—	—	4 4 6	—	1 1 1	3 5 1	—	—	1 1 1	2 2 2	2 1 1	1 1 1	2 2 2	77 15 —	15 3 6	—	—	8 131 234	16 7 16	55 15 1	1 1 1	1 1 1	49 16 16	47 237 101	12 81 102	5 34 8																																																																																																																																																																																																																																																																																																																																																																																																																																					
AREA No. 3. Consett U.D. Stanley U.D. Lanchester R.D.	969 437 581 196	27 13 9 11	6 4 5 —	10 3 6 1	17 2 7 3	6 1 2 —	1 — 2 1	67 23 31 16	2 2 2 1	2 5 1 1	6 2 7 2	19 3 6 3	79 25 33 13	253 100 131 40	250 142 154 50	291 135 196 70	—	—	—	—	—	—	2 1 1	3 — —	—	—	—	32 8 7 7	143 76 81 34	1 1 1 1	1 3 3 1	6 7 5 2	52 2 1 5	4 2 1 2	—	—	2 5 7 23	9 2 2 2	3 — — 3	—	—	4 4 6	—	1 1 1	2 5 10 3	2 6 7 8	2 2 2 3	3 1 1 1	2 2 2 1	2 1 1 1	115 20 — —	20 3 6 11	—	—	10 4 5 34	134 49 84 63	263 7 7 15	18 4 22 13	50 — — —	7 2 2 4	1 1 1 1	45 17 9	45 11 21	231 102 78	24 8 4																																																																																																																																																																																																																																																																																																																																																																																																																																					
AREA No. 4. Chester-le-Street U.D. Chester-le-Street R.D.	1194 254 496	33 5 14	9 — 2	10 1 4	12 3 9	3 — 2	3 1 1	70 10 32	5 — 1	7 1 1	11 1 2	12 1 9	71 16 23	271 65 145	346 69 130	401 91 153	—	—	—	—	—	—	1 1 1	—	—	—	—	15 7 9	191 37 66	2 — 3	5 1 —	4 9 —	14 1 9	3 — —	—	—	1 1 1	9 9 2	2 2 2	—	—	—	5 8 —	—	2 2 2	—	—	—	1 1 1	6 6 2	16 5 —	—	—	1 1 1	18 5 8	21 — —	1 1 1	4 — —	2 2 2	2 1 1	2 1 1	126 35 —	—	—	3 3 4	191 75 159	350 11 1	17 31 12	80 1 —	1 7 —	66 31 9	63 36 6	323 202 48	355 12 167																																																																																																																																																																																																																																																																																																																																																																																																																												
AREA No. 5. Baldon U.D. Hetton U.D. Houghton-le-Spring U.D. Washington U.D. Sunderland R.D.	750 209 254 340 221 310	19 4 6 6 6 15	2 — 2 4 2 1	5 3 2 2 3 2	12 3 2 2 3 4	2 — 2 2 2 2	2 — 2 2 2 2	42 10 12 18 14 24	1 — 2 2 2 3	2 1 2 2 2 4	3 1 3 3 2 7	10 4 7 18 2 7	39 13 21 18 16 23	210 53 64 83 101 64	199 63 63 83 111 94	244 63 83 114 69 90	—	—	—	—	—	—	—	—	—	16 6 3 3 5 6	103 35 26 63 24 49	3 — — — 1 2	1 — 1 1 1 1	6 — 1 4 3 12	18 7 26 4 10 6	2 — — — — —	4 2 1 4 3 5	—	—	7 1 5 3 6 7	18 3 5 3 2 5	4 5 — 2 1 3	3 — — — — —	—	—	13 5 3 5 5 4	—	—	2 2 2 2 2 2	3 8 — — — 7	—	—	3 14 — — — —	2 15 29 2 — —	2 5 29 2 — —	—	—	5 8 9 — — —	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	73 20 — — — —	20 11 — — — —	—	—	7 143 221 15 37 —	4 11 26 — — —	—	—	1 5 — — — —	—	—	6 — 50 44 218 116	—	—	13 13 59 73 5 1																																																																																																																																																																																																																																																																																																																																																																																																																														
AREA No. 6. Crook & Willington U.D. Tow Law U.D. Weardale R.D.	1334 372 43 161	37 8 4 2	8 2 1 1	11 4 2 —	14 2 — —	6 2 — —	2 1 — —	78 18 6 6	7 2 — —	6 1 — —	10 — 1 —	21 5 — —	91 31 1 5	311 67 115 133	391 115 13 11	419 133 11 67	—	—	—	—	—	—	—	—	—	—	26 13 1 1	197 55 7 22	3 — — —	2 — — —	3 — — —	30 14 — —	4 — — —	1 — — —	1 — — —	19 2 3 5	31 1 1 1	15 3 1 1	5 2 — —	23 6 1 3	—	—	3 14 — —	2 15 29 2	29 6 3 3	2 — — —	—	—	2 2 2 2	2 1 1 1	7 136 45 —	45 9 — —	—	—	8 222 366 30	81 — — —	—	—	4 — 67 120	—	—	1 — 19 22	67 123 377	241 58 — —																																																																																																																																																																																																																																																																																																																																																																																																																																						
AREA No. 7. Durham M.B. Brandon & Byshottles U.D. Durham R.D.	576 222 250 402	14 5 8 12	3 1 1 3	5 3 5 6	4 2 5 5	2 1 3 2	2 1 1 1	30 14 18 29	2 1 1 1	1 1 3 5	1 — 1 1	7 2 10 30	37 11 18 30	114 55 67 91	173 59 58 111	211 77 87 120	—	—	—	—	—	—	—	—	—	—	14 8 6 6	84 25 40 67	— 1 1 2	— — — —	3 5 1 2	19 3 1 14	4 — — —	1 — — —	1 — — —	10 4 4 12	—	—	—	—	—	2 1 1 1	12 — — —	2 — — —	3 11 3 9	11 — 2 5	3 — — —	—	—	2 10 16 3	3 — — —	2 2 2 1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

TABLE D.

THE FOLLOWING TABLE SHOWS THE CLASSIFICATION OF DEATHS AS SUPPLIED BY THE REGISTRAR GENERAL

(Throughout this report figures relating to deaths are based on local tabulations extracted from the monthly returns submitted by district registrars).

CAUSES OF DEATH.	TOTAL	M	F	*URBAN DISTRICTS		RURAL DISTRICTS		AGE PERIODS.															
				M	F	M	F	MALE.							FEMALE.								
								0—	1—	5—	15—	25—	45—	65—	75—	0—	1—	5—	15—	25—	45—	65—	75—
1 Tuberculosis, respiratory	294	176	118	136	81	40	37	—	2	2	12	48	95	14	3	—	—	1	26	50	29	10	2
2 Tuberculosis, other	57	30	27	23	18	7	9	2	7	4	3	5	8	1	—	1	6	5	5	4	3	2	1
3 Syphilitic disease	29	26	3	19	3	7	—	—	—	—	1	2	16	7	—	—	—	—	—	1	1	1	—
4 Diphtheria	1	1	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
5 Whooping Cough	9	3	6	2	5	1	1	3	—	—	—	—	—	—	—	3	3	—	—	—	—	—	—
6 Meningococcal infections	11	7	4	5	4	2	—	2	—	1	1	—	1	—	—	2	1	—	—	1	—	—	—
7 Acute poliomyelitis	1	1	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
8 Measles	6	1	5	—	2	1	3	1	—	—	—	—	—	—	—	3	2	—	—	—	—	—	—
9 Other infective and parasitic diseases	22	16	6	13	5	3	1	4	—	3	1	3	3	2	—	—	2	—	1	—	—	1	2
10 Malignant neoplasm, stomach	348	212	136	141	91	71	45	—	—	—	—	4	93	71	44	—	—	—	7	34	57	38	—
11 Malignant neoplasm, lung, bronchus	207	174	33	130	30	44	3	—	—	—	—	12	112	42	8	—	—	—	3	13	15	2	—
12 Malignant neoplasm, breast	139	3	136	2	97	1	39	—	—	—	—	1	—	1	1	—	—	—	16	71	24	25	—
13 Malignant neoplasm, uterus	101	—	101	—	74	—	27	—	—	—	—	—	—	—	—	—	—	—	14	55	15	16	—
14 Other malignant and lymphatic neoplasms	769	467	302	299	214	168	88	1	1	1	4	26	133	179	122	—	1	—	2	117	85	69	—
15 Leukaemia, aleukaemia	37	24	13	13	9	11	4	—	1	5	1	4	9	2	2	—	3	—	3	7	—	—	—
16 Diabetes	69	23	46	15	32	8	14	—	—	—	—	2	9	10	2	—	—	—	1	17	23	4	—
17 Vascular lesions of nervous system	1506	735	771	494	543	241	228	—	—	1	1	17	132	245	339	—	—	—	2	9	135	279	346
18 Coronary disease, angina	1248	810	438	596	315	214	123	—	—	—	—	29	327	285	169	—	—	—	5	124	209	100	—
19 Hypertension with heart disease	334	183	151	137	101	46	50	—	—	—	—	2	48	70	63	—	—	—	1	33	60	57	—
20 Other heart disease	1801	828	973	538	672	290	301	—	—	—	7	42	123	232	424	—	—	4	9	38	148	251	523
21 Other circulatory disease	391	220	171	150	120	70	51	—	—	—	—	9	30	51	130	—	—	—	1	16	42	111	—
22 Influenza	325	169	156	124	110	45	46	9	1	—	—	6	54	46	53	3	—	—	1	7	26	61	58
23 Pneumonia	442	247	195	162	145	85	50	66	9	1	3	13	51	51	53	44	5	3	1	7	22	36	77
24 Bronchitis	640	389	251	289	185	100	66	8	4	1	—	8	122	140	106	20	—	—	6	35	85	105	—
25 Other diseases of respiratory system	111	74	37	48	23	26	14	3	3	1	—	7	39	9	12	2	1	2	—	4	14	4	10
26 Ulcer of stomach and duodenum	104	85	19	58	16	27	3	—	—	—	1	17	35	26	6	—	—	—	1	6	7	5	—
27 Gastritis, enteritis and diarrhoea	57	24	33	16	29	8	4	16	—	—	—	1	4	2	1	13	1	—	—	6	7	4	2
28 Nephritis and nephrosis	134	70	64	44	50	26	14	—	1	2	1	14	16	22	14	—	—	4	2	8	18	21	11
29 Hyperplasia of prostate	83	83	—	55	—	28	—	—	—	—	—	—	3	30	50	—	—	—	—	—	—	—	—
30 Pregnancy, childbirth, abortion	16	—	16	—	12	—	4	—	—	—	—	—	—	—	—	—	—	—	3	12	—	1	—
31 Congenital malformations	113	55	58	37	38	18	20	44	1	2	1	1	5	1	—	43	2	—	4	3	4	1	1
32 Other defined and ill-defined diseases	1170	605	565	417	397	188	168	213	9	7	12	44	99	83	138	142	6	6	6	36	106	97	166
33 Motor vehicle accidents	79	66	13	38	7	28	6	—	9	7	10	14	10	10	6	—	5	2	1	1	4	—	—
34 All other accidents	357	263	94	124	65	139	29	15	5	9	30	88	85	11	20	6	5	2	1	3	10	17	50
35 Suicide	81	62	19	51	17	11	2	—	—	—	—	18	29	10	5	—	—	—	2	6	9	2	—
36 Homicide and operations of war	7	6	1	3	1	3	—	1	—	—	1	1	2	1	—	—	1	—	—	—	—	—	—
TOTAL	11099	6138	4961	4181	3511	1957	1450	388	55	47	91	438	1693	1655	1771	282	44	29	69	281	1064	1410	1782

*Including Municipal Boroughs of Durham, Hartlepool, Jarrow and Stockton.

TABLE E.

Comparative Vital Statistics, Administrative County of Durham, and England and Wales, 1951.

	Rates per 1,000 Population.												Rates per 1,000 Total (Live and Still) Births.
	DEATHS												Rates per 1,000 Live Births.
	Live Births	Still Births	All Causes	Typhoid & Para-Typhoid	Whooping Cough	Diphtheria	Tuberculosis	Influenza	Acute Polio-myelitis	Pneumonia	Under one year—all causes	Enteritis & Diarrhoea Under 2 years	Maternal Mortality
DURHAM COUNTY	17.6	0.46	12.4	—	0.01	0.001	0.41	0.27	0.002	0.43	42	2.02	1.36
*ENGLAND & WALES	15.5	0.37	12.5	0.00	0.01	0.00	0.32	0.36	0.00	0.51	30	1.4	0.79

*Provisional.

